

COASTAL ZONE INFORMATION CENTER

ACTIVITY NUMBER 2

Information Sources and Requirements

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New York State Coastal Zone Management Program

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ACTIVITY NO. 2 - INFORMATION SOURCES AND REQUIREMENTS

General Description

In the second year, work will continue on the identification and assembly of the large amounts of data and information that have been developed on land uses, water bodies, and natural resources of New York State. Such information is available in many different agencies and in various forms and conditions. Some data is current; much will need to be up-dated. Maps exist at various scales and conditions of currency. Accordingly, the purposes of this program activity are to assess the availability and applicability of existing information, assemble critically needed information for the analysis of natural resources and the analysis of land and water uses, to assign responsibility for assembling the needed information, and to insure that the data collected from different sources is compatible in terms of its end use.

TASK 2.1

STATEMENT OF TASK

Review and Analysis of Information Sources and Needs

Products Expected

1. Compile up-to-date information sources from state, regional and local participants; review existing bibliographies; develop a preliminary bibliography.

DOS

Progress

100% complete - Materials at the Department of State have been reviewed, collected and listed chronologically according to date of publication.* A second list has been compiled from DEC and other CZMP participants' bibliographies and organized according to their relationship to each of the OCZM threshold papers.*

2. Review and analyze statewide information needs.

DOS

Progress

50% complete - The DOS has distributed the preliminary bibliography and the Coastal Zone Management Publications and Other Pertinent Information List to state and substate agencies involved or having interests in the NYS CZM Program. Recipients have been asked to identify areas of inadequate information sources.

Prognosis

When these responses are received, DOS will make a final determination as to information gaps and needs in order to develop a final bibliography.

3. Develop a final bibliography and summary report incorporating findings resulting from this activity.

DOS

Progress

Scheduled for last two months of program.

Prognosis

The responses from state and substate recipients and the two information lists will be integrated to form a comprehensive bibliography. This bibliography will be updated every six months in order to incorporate the latest publications.

This bibliography will be distributed to all CZM participants, interested agencies and public libraries in the state's coastal counties.

The final summary report will include findings on information source needs and gaps.

DEC

Progress

Not scheduled for months 1-9.

Prognosis

DEC will complete work by the end of the program year with compilation and cataloguing of sources used for their current CZM work projects. This will supplement a preliminary bibliography already submitted to DOS.

PRELIMINARY BIBLIOGRAPHY
for
THE NEW YORK STATE
COASTAL ZONE MANAGEMENT PROGRAM

The attached bibliography has been sent to state and substate agencies within New York State that are presently involved with the Coastal Zone Management Program. In addition, the bibliography will be sent to all public libraries within New York State's coastal counties.

This bibliography will be updated every six months in order to incorporate new information, guidelines, techniques, and evaluative methods concerning the coastal zone. The Department of State will provide any interested agency or individual with a comprehensive list of sources for these publications.

The Department of State is taking a dual approach in producing a final New York State Coastal Zone Management bibliography. The responsibility for Task 2.1 was contracted to the following first year state and substate participants: Chautauqua County Department of Planning, Columbia County Planning Board, Erie and Niagara Counties Regional Planning Board, Capital District Regional Planning Commission, the City of Troy Bureau of Planning and Community Development, and the Department of Environmental Conservation. In addition, several participants included bibliographies with their final first year reports. Only DEC was contracted to continue collection of information sources during the second year. Therefore, this report's main objective is to organize the information received from the above participants into a bibliography of materials relating to New York State's Coastal Zone Program. The bibliography is organized by subject readings that are based on OCZM's threshold papers.

The second approach being used to create a comprehensive bibliography of coastal zone materials is a continual compilation of information materials available at the Department of State. These materials are organized chronologically in a list that is updated monthly as reports and studies are received by the Department of State. The New York State bibliography on coastal zone management will be complete when this chronological list is integrated into the bibliographic system described below. This process will be completed by the end of the second year.

The first subject heading of this bibliographic system includes all information on establishing coastal zone boundaries. The second heading, land and water uses, includes studies on natural resources and the impact of certain land and water uses on the coastal zone. The third category, geographic areas of particular concern, is divided into information covering natural GAPC's and covering man-made GAPC's. Public and governmental involvement, the fourth subject heading, is split into four subheadings: public participation, governmental participation, state programs, and local programs. State/Federal Interaction and National Interests is the fifth category and is divided into three subheadings: interstate relationships, state-federal relationships, and federal programs and federal lands. This category might include information on the "208" planning program or plans prepared by federal agencies on federal lands or

or facilities. Organizations is the sixth category and is directed at information on organizational structure proposed to implement the management of the coastal zone. Authorities, the last of the bibliographic subject headings, includes information on relevant constitutional provisions, legislation, amendments, regulations, or judicial decisions.

In addition to collecting and categorizing this source materials, the Department of State will determine the extent to which information gaps exist. All those who receive this preliminary bibliography are asked to identify areas of inadequate information sources and provide sources to fill these gaps, if available. Once the responses to this survey are received, a final determination of coastal zone information gaps can be made and dealt with for the production of a comprehensive New York State Coastal Zone Bibliography.

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175. August, 1974; Propagation of Spartina Alterniflora for Substrate Stabilization and Salt Marsh Development; by W. W. Woodhouse, Jr., E.D. Seneca, and S.W. Broome, Technical Memorandum #46; prepared for U.S. Army Corps of Engineers, Coastal Engineering Research Center.
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181. October, 1974; Alabama Coastal Area Program; by Alabama Coastal Area Board, State Planning Division, Alabama Development Office.
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2. "Surface Water Hydrology" 3. "Geology and Ground Water"
5. "Mineral Resources" 6. "Water Supply-Municipal, Industrial,
and Rural" 7. "Water Quality" 8. "Fish" C9. "Commercial
Navigation" R9. "Recreational Boating" 10. "Power" 11. "Levels
and Flows" 12. "Shore Use and Erosion" 13. "Land Use and
Management" 14. "Flood Plains" 15. "Irrigation" 16. "Drainage"
17. "Wildlife" 18. "Erosion and Sedimentation" 19. "Economic
and Demographic Studies" F20. "Federal Laws, Policies, and
Institutional Arrangements" S20. "State Laws, Policies and
Institutional Arrangements" 21. "Outdoor Recreation" 22. "Aesthetic
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211. 1975; Environmental Impact Statement Deepwater Port Regulations, Final; by U.S. Coast Guard for Deepwater Ports Project, Office of Marine Environment and Systems.
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222. January, 1975; draft, An Evaluation of Multi-Purpose Offshore Industrial/Port Islands for the Atlantic and Gulf Coasts - "Environmental Assessment"; by Les Watling, Ann Pembroke and Henry Lind, College of Marine Studies, Newark, Delaware.
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227. January, 1975; Erosion and Sedimentation-A Planning Report; for Long Island Sound Regional Study, NERBC.
228. January, 1975; Flood Damage Reduction-a Planning Report; for Long Island Sound Regional Study, NERBC.
229. January, 1975; Outdoor Recreation-a Planning Report; by U.S. Department of Interior, Bureau of Outdoor Recreation; for Long Island Sound Regional Study, NERBC.
230. January 3, 1975; SUBJECT: OCS Related Information (OCS #2) (newsclippings plus 41 articles, reports, etc. on OCS).
231. January 13, 1975; SUBJECT: Technical Support Activities of OCZM (a status report of OCZM's technical activities underway).
232. January 21, 1975; SUBJECT: OCS Information (a copy of the galley proof of Baldwin's book Onshore Planning for Offshore Oil: Lessons from Scotland & a copy of CF's newsletter review of Baldwin's book).
234. January 23, 1975; SUBJECT: OCS Oil and Gas Developments (OCS #3) (24 articles, reports, etc. on OCS, plus a copy of Coastal Management Aspects of OCS Oil and Gas Developments by LaRoe and Stang, et al. January 1975).
235. February, 1975; Decisions for Delaware: Sea Grant Looks at OCS Development; by Joel M. Goodman, Director of Coastal Zone Resources Planning, College of Marine Studies, University of Delaware; published by Marine Advisory Services, University of Delaware Sea Grant Program.
236. February, 1975; Fish and Wildlife-a Planning Report; for Long Island Sound Regional Study, NERBC.

237. February, 1975; NYS Assembly Public Service Legislative Studies Program-on the Feasibility of Predicting Lake Ontario Water Levels; Frank Sciremammano, Jr., prepared under the direction of Dr. John H. Thomas and Dr. Alfred Clark, Jr., Professors of Mechanical and Aerospace Sciences, University of Rochester.
238. February, 1975; Shoreline Appearance and Design-a Planning Report; by Roy Mann Associates, Inc.; for Long Island Sound Regional Study, NERBC.
239. February, 1975; Brown & Root Impact Study; by Urban Pathfinders, Inc. for Northampton County Planning Commission.
240. February, 1975; Marine Transportation-a Planning Report; for Long Island Sound Regional Study, NERBC.
241. February 18, 1975; Preliminary Application for Program Approval in Accordance with Section 306 of the CZM Act of 1972; by State Planning Office, Coastal Planning Group.
242. February 27, 1975; SUBJECT: OCS Information Package No. 4 (37 newsclippings plus 37 articles, reports, etc. on OCS).
243. February 28, 1975; draft, Institutional Alternatives Part D. - A Comprehensive Study of the Tocks Island Lake Project and Alternatives - URS/Madigan-Praeger, Inc. and Conklin and Rossant.
244. February 28, 1975; draft, Review of Tocks Island Lake Project and Alternatives; URS/Madigan-Praeger, Inc. and Conklin and Rossant.
245. February 28, 1975; The OCS Petroleum Pie; by J. W. Devanney, III, MIT Sea Grant Program.
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247. March, 1975; Water Management-a Planning Report; by U.S. E.P.A., Connecticut Department of Environmental Protection, N.Y.S. Department of Environmental Conservation.

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249. April, 1975; Atlantic Outer Continental Shelf Energy Resources: Economic Implications for Long Island; by Robert J. Kalter and Wallace E. Tyner of the Department of Agricultural Economics, Cornell University.
250. April 9, 1975; Environment Comment-Coastal Zone Management: An Overview; by Frank Schneidman and Susan Kendall.
251. April 18, 1975; Guidelines for Preparation of a Deepwater Port Operations Manual, draft; by U.S. Coast Guard for Deepwater Ports Project Office of Marine Environment and Systems.
252. April 18, 1975; Draft Environmental Impact Statement for Deepwater Port Regulations, 2nd draft; by U.S. Coast Guard for Deepwater Ports Project Office of Marine Environment and Systems.
253. May, 1975; Report to the Congress on Coastal Zone Management - "July, 1973 through June, 1974"; by United States Department of Commerce, National Oceanic and Atmospheric Administration.
254. May, 1975; An Analysis of the Feasibility of Separating Exploration from Production of Oil and Gas on the Outer Continental Shelf; by Congress of the United States, Office of Technology Assessment.
255. May, 1975; Inland Boundaries of a State's Coastal Zone; by the Office of Coastal Zone Management, NOAA, Department of Commerce.
256. May, 1975; Mineral Resources and Mining-a Planning Report; by Eastern Field Operation Center, U.S. Bureau of Mines with contributions from the U.S. Army Corps of Engineers; for Long Island Sound Regional Study, NERBC.
257. May, 1975; final report, A Study of Selected Coastal Zone Ecosystems in the Gulf of Mexico in Relation to Gas Pipelining Activities; for Offshore Pipeline Committee; by Battele, Columbus Laboratories.
258. May 6, 1975; Guide to Preparation of Environmental Analyses for Deepwater Ports, 2nd draft; by U.S. Coast Guard for Deepwater Ports Project Office of Marine Environment and Systems.

259. May 7, 1975; SUBJECT: Agreements of Cooperation Between OCZM and Other NOAA Components (copies of OCZM's agreements with Sea Grant, National Marine Fisheries Service, National Ocean Survey, and Environmental Data Service).
260. May 7, 1975; SUBJECT: Public Participation Session at 3rd Annual CZM Conference (a request for state produced public info on CZM to be sent to ASILOMAR to be handed out at public participation session).
261. May 13, 1975; SUBJECT: Organization Structure of NOAA and Department of Commerce (2 official organization charts).
262. May 15, 1975; SUBJECT: Coastal Maps (copies of 4 coastal maps on which USGS & NOS are cooperating. 1:250K, 1:100K, 1:24K, 1:10K scale & a request for comments).
263. May 16, 1975; SUBJECT: Florida Keys Coastal Zone Management Study Atlas (notice that Florida is sending complimentary copies of their atlas to states which can't have copies).
264. May 16, 1975; SUBJECT: OCS Information (copies of final version of OCZM's OCS paper, Baldwin's book Onshore Planning for Offshore Oil: Lessons from Scotland, and Decisions for Delaware by Joel Goodman; plus a bibliography for the 1st 4 OCS packages).
265. May 19, 1975; SUBJECT: Federal Involvement in the Coastal Zone (a copy of the Sea Grant Document Federal Involvement in the California Coastal Zone. It includes much that would be useful to all coastal states).
266. May 20, 1975; SUBJECT: Boundaries of a State's Coastal Zone (5 items: OCZM's "Boundary Paper" by PRS, et al, "Tidal Datams" paper by Wes Hull of NOS, "Legal Aspects" by Ted Evans of General Counsel, plus two journal articles on boundaries).
267. June, 1975; Agency Identification and Coordination, "Alabama Coastal Area Management Program" by Alabama Coastal Area Board, State Planning Division, Alabama Development Office.
268. June, 1975; Oceanborne Foreign Trade: Lifeblood of the Port - "Where it Comes From-Where it Goes-How it Gets There"; by the Port Authority of New York and New Jersey.

269. June, 1975; Demographic Patterns-MESA New York Bight Atlas Monograph 23-Marine Ecosystems Analysis (MESA) Program MESA New York Bight Project; by Charles T. Koebel and Donald A. Krueckeberg, New York Sea Grant Institute.
270. June, 1975; Considering Coastal Zone Management: The Law, The Participants, the Program; by Office of Coastal Zone Management, NOAA, Department of Commerce.
271. June, 1975; It's Your Coast...Get Involved; by Office of Coastal Zone Management, NOAA, Department of Commerce.
272. June 23, 1975; SUBJECT: OCZM Annual Report and Articles of Interest (OCZM Annual Report & April '75 copy of ULI's Environmental Comment).
273. June 30, 1975; SUBJECT: Energy Facilities Siting Information (package of newscippings, articles, books and reports related to EFS).
274. July, 1975; Aesthetic Resources of the Coastal Zone; by Roy Mann Associates, Inc.; for Office of Coastal Zone Management.
275. July, 1975; final report; A Plan for Long Island Sound, Volume 1, Summary; by New England River Basins Commission.
276. July, 1975; final report; A Plan for Long Island Sound, Volume 2, Supplement; by New England River Basins Commission.
277. July, 1975; Proceedings of a Workshop on the Shellfish Management Program in NYS; May 28, 1975, SUNY at Stony Brook; NYS DEC and NYS Sea Grant Institute; printed by SUNY, NYS Sea Grant Institute.
278. July, 1975; Status of Federal Great Lakes Harbors in New York State; by Buffalo, N.Y. District Corps of Engineers for State of New York Department of Environmental Conservation.
279. July, 1975; New York State Department of Transportation Upstate Public Ports Study Phase I Report; by Frederic R. Harris, Inc.
280. July, 1975; Electricity Generation and Oil Refining - "MESA New York Bight Atlas Monograph 25" Marine EcoSystems Analysis (MESA) Program MESA New York Bight Project; by H. G. Mike Jones, Harold Bronheim, Philip F. Palmedo, New York Sea Grant Institute.

281. July, 1975; Sand and Gravel-"MESA New York Bight Atlas Monograph 25" Marine EcoSystems Analysis (MESA) Program MESA New York Bight Project; by John Schlee with a section by Peter Sanko, New York Sea Grant Institute.
282. July, 1975; draft, Wisconsin's Great Lakes Ports: Background and Future Alternatives; by Harold M. Mayer, Professor of Geography and Associated Director of the Center for Great Lakes Studies, The University of Wisconsin-Milwaukee.
283. July, 1975; Coastal Zone Act Administration-"June 28, 1971 - June 30, 1975"; by State Coastal Zone Industrial Control Board and Delaware State Planning Office.
284. July 17, 1975; New York's Sea Grant Proposal 1975-1976; by New York Sea Grant Institute.
285. July 25, 1975; SUBJECT: Survey of State Coastal Zone Management Program Needs. (8 page survey mailed; responses requested by 8/25/75).
286. August 5, 1975; SUBJECT: Fisheries Management under Extended Jurisdiction. (mailed NMFS discussion paper on this subject plus an article by EPA's Train).
287. August 7, 1975; SUBJECT: Corps Extended Jurisdiction under Section 404 of P.L. 92-500. (package of 24 articles, newsclippings, reports, etc., on this subject).
288. Fall, 1975; Outdoor Recreation Action No. 37; by U.S. Department of Interior Bureau of Outdoor Recreation-CZM.
289. September, 1975; The Role and Use of Vegetation for the Protection of Backshore Slopes in the Coastal Zone; by Donald H. Gray, Professor of Civil Engineering, University of Michigan, Ann Arbor.
290. September, 1975; Economic Impact of Recreation in the Coastal Zone, draft-"Interim Report-First Year"; by Wisconsin Coastal Zone Management Development Program.
291. September, 1975; 1975 Legislation on New York State's Coastal and Marine Resources; by Russ Thomas of New York Sea Grant Institute.

292. September, 1975; Supportive Facilities and Services Plan for the Eastern Lake Ontario Salmonid Fisheries Program; by Robert A. MacLeod and Daniel Palm, Ph.D, for St. Lawrence - Eastern Ontario Commission.
293. September 12, 1975; SUBJECT: Outer Continental Shelf Information Package #5. (package of 88 articles, newsclippings, reports, etc., on this subject).
294. September 12, 1975; SUBJECT: Coastal Recreation Information Package #1. (package of 23 articles, book excerpts, reports, etc., on this subject).
- *295. September 15, 1975; Technical Guidelines #1-Coastal Zone Boundaries; by New York State Department of State, Division of State Planning.
296. September 19, 1975; An Inventory of the New Jersey Coastal Area - A Report to the Governor and Legislature; by Department of Environmental Protection, Coastal Zone Management Program.
297. October, 1975; Final Environmental Statement related to manufacture of Floating Power Plants by Offshore Power Systems, Part I, "An Environmental Statement Considering the Operation of the Manufacturing Facility in Jacksonville, Florida"; by U.S. Nuclear Regulatory Commission, Office of Nuclear Reactor Regulation.
298. October, 1975; Method of Control of Land and Water Uses in the Coastal Zone; by Ann H. Berger.
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300. October 8, 1975; SUBJECT: Coastal Zone Information Package #1 (package of 41 articles, legislation, bibliographies, etc., on selected subjects pertaining to Coastal Zone Management).
301. October 14, 1975; SUBJECT: Methods of Control under CZMA. (copy of Methods of Control of Land and Water Uses in the Coastal Zone by Ann Berger, an annotated bibliography, plus a package of articles, books, reports, etc., on methods of control).
302. October 15, 1975; North Carolina State Guidelines for Local Planning in the Coastal Area Under the Coastal Area Management Act of 1974; adopted by the Coastal Resources Commission on January 27, 1975; and, amended by the Coastal Resources Commission, promulgated in accordance with the provisions of G.S. 113A-107(e) Coastal Area Management Act of 1974.

- * 303. October 17, 1975; Technical Guidelines #2-Public Participation and Public Information; by New York State Department of State, Division of State Planning.
- 304. October 20, 1975; SUBJECT: Items of Interest for CZ States (Summer 1975 edition of Lake Michigan Current, a publication of the Illinois Coastal Zone Program; Boundaries of the Coastal Zone, by OCZM, dated May 1975; and Fall 1975 edition of Outdoor Recreation Action, magazine of the Bureau of Outdoor Recreation of the U.S. Department of the Interior).
- 305. October 20-23, 1975; Proceedings-Ninth National Conference On Access to Recreational Waters; by the Outboard Boating Club of America and the Sport Fishing Institute in Cooperation with The Texas Parks and Wildlife Department.
- 306. November, 1975; Lewes CCD Pilot Study-Working Paper Number 5-"Delaware's Changing Shoreline"; by Delaware State Planning Office.
- 307. November, 1975; Lewes CCD Pilot Study-Working Paper Number 6-"Coastal Storm Hazards"; by Delaware State Planning Office.
- 308. November 11, 1975; SUBJECT: Documents of Interest (Final edition of Methods of Control by Ann Berger, dated October 1975; NACOA 4th Annual Report to the President and the Congress, dated June 30, 1975, Ocean Data Resources, National Ocean Policy Study, Commerce Committee, U.S. Senate, dated 1975).
- 309. November 11, 1975; SUBJECT: Coastal Zone Information Center (CZIC) Publications (1. Selected list of newsletters and periodicals currently received; 2. Recent acquisitions of CZIC, Feb. 1975-Aug. 1975; 3. Atlases, a listing of current holdings).
- 310. November 12, 1975; SUBJECT: Coastal Aesthetics (Copy of Aesthetic Resources of the Coastal Zone, report prepared under contract by Roy Mann.)
- * 311. November 15, 1975; Technical Guidelines #3-Goals and Objectives; NYS Department of State, Division of State Planning.
- 312. November 30, 1975; Coastal Programs and Regulatory Limitations; by The Connecticut Coastal Area Management Program.
- 313. December, 1975; Kakaako Urban Design Demonstration Study-Summary Report; by State of Hawaii Department of Planning & Economic Development.
- 314. December, 1975; Alternative Energy Leasing Strategies and Schedules for the Outer Continental Shelf; by R. J. Kalter, W. E. Tyner and D. W. Hoghes.

315. December, 1975; California Coastal Plan; by California Coastal Zone
Conservations Commissions
- * 316. December, 1975; Guideline Paper 1: Segmented Approach to State
Coastal Zone Management Programs; by Office of Coastal
Zone Management, NOAA, Department of Commerce.
- * 317. December, 1975; Guideline Paper #2: Siting of Facilities In the
National Interest in Coastal Zone Management; by Office
of Coastal Zone Management, NOAA, Department of Commerce.
318. December, 1975; ORD Publications Summary; by U.S. Environmental
Protection Agency Office of Research and Development.
319. December, 1975; Review of Dredge and Soil Disposal Practices in
Massachusetts; by James Spencer, Civil Engineering
Intern from Massachusetts Institute of Technology, for
Massachusetts Coastal Zone Management Office.
320. December, 1975; Sequential Continuous Culture Systems as Simulatory
Models for the Fate of Oil in Aquatic Ecosystems.; by
New York State Assembly Public Service Legislative Studies
Program.

321. December, 1975; New York State Department of Transportation Upstate Public Ports Study Phase I Draft Final Report by Frederic R. Harris, Inc. Great Neck, New York
322. December, 1975; Artificial Fishing Reefs Mesa New York Bight Atlas Monograph 18 Marine EcoSystems Analysis (MESA) Program MESA New York Bight Project by Albert C. Jensen; by New York Sea Grant Institute
323. December, 1975; Alternative Energy Leasing Strategies and Schedules For The Outer Continental Shelf; by Robert J. Kalter, Wallace E. Tyner, Daniel W. Hughes; by Dept. of Agricultural Economics - Cornell University
324. December, 1975; Local Economic Impacts of Power Plant Siting in Wisconsin -draft- by the Wisconsin Public Service Commission
325. December, 1975; Energy Facility Siting In Coastal Areas Prepared at the request of Hon. Warren G. Magnuson, Chairman, Committee on Commerce and Hon. Ernest F. Hollings, Chairman National Ocean Policy Study for the use of the Committee on Commerce and The National Ocean Study Policy
326. December 11-12, 1975; Report of the Conference On Marine Resources of the Coastal Plains States; by Coastal Plains Ctr. for Marine Development Services, Savannah, Georgia
327. 1976; Beach Forms and Coastal Processes; Mesa, NY Bight Atlas Monograph
- * 328. 1976; California Coastal Zone Legislation of 1976
329. 1976; Directory of Environmental Groups in New England - 1976 Edition, Publication of Region I U. S. Environmental Protection Agency
330. 1976; Evaluation of Public Participation in the Wisconsin Coastal Management Program, 1974 to May, 1976; prepared by Opinion Research Assoc. Inc.; for Wisconsin Coastal Management
331. 1976; Interagency Committee on Marine Sciences and Engineering Federal Council for Science Technology; Great Lakes Directory
332. 1976; Leasing and Management of Energy Resources on the Outer Continental Shelf; by U. S. Department of the Interior, Bureau of Land Management/Geological Survey
333. 1976; Catalog; Movies About Oil; American Petroleum Institute
334. 1976; Politics of Shore Erosion: Westhampton Beach; by Joseph M. Heikoff
335. 1976; The Question of Offshore Oil; A Conference sponsored by the AEI National Energy Project; edited by E. J. Mitchell
336. 1976; Taking the "Work" Out of Workshops; by Carol B. Ovens; for Sea Grant
337. 1976; Visual Quality of the Coastal Zone; Conference proceedings; edited by D. Harper and J. D. Warbach

338. 1976; Identification & Analysis of Mid-Atlantic Onshore OCS Impacts; prepared for the Middle Atlantic Governors Coastal Resources Planning Associates Inc. Cambridge, Mass.
339. 1976; "Planning Report #6" "An Analysis of Local Wetland Regulation" Local Regulation of "Inland Wetlands" In Connecticut A Prototype "Management Program" under the Coastal Zone Management Act of 1972?prepared for the Coastal Area Management Program Department of Environmental Protection State of Connecticut by Russell L. Brenneman Copp, Brenneman, Tighe, Koletsky and Berall
340. 1976; New England River Basins Commission 1975 Annual Report by NERBC
341. 1976; Draft Environmental Statement Vol. 1,2 "OCS Sale No. 40" by U. S. Dept. of the Interior prepared by the Bureau of Land Management
342. January, 1976; Tides; Mesa New York Bight Atlas Monograph 4; Marine Eco-Systems Analysis (Mesa) Program, Mesa New York Bight Project; by R. L. Swanson for New York Sea Grant Institute
343. January, 1976; draft - Impacts of Recreation In the Coastal Zone: Economic Impact and Needs of Wisconsin's Great Lakes Boaters
344. January, 1976; Tentative Plan of the Upper Delaware River Regional Water Resources Planning Board - draft - by UDRRWRPB
345. January, 1976; Natural Resources Journal; by the University of New Mexico School of Law
346. January, 1976; CZM: The Process of Program Development; Bibliographic Supplement - CZM Institute
347. January 12, 1976; New York State Outer Continental Shelf Supplemental Grant Application; New York State Dept. of State, Div. of State Planning
348. January 26, 1976; Subject: Documents of Interest (Package of Publications: 1. Publications 1975, by NY Sea Grant Institute; 2. Developer's Handbook, by Allen Carroll of Connecticut, 3. State Guidelines for Local Planning in Coastal Area under North Carolina Area Management Act of 1974; 4. Lake Michigan Current)
349. January-February, 1976; Coastal Zone and Land Use Documents Vol. 2 - No. 1; by Coastal Zone Laboratory Program and Michigan Sea Grant Program University of Michigan
350. February, 1976; Storm Surge; Mesa NY Bight Atlas Monograph 6; Marine Eco-Systems Analysis (Mesa) Program, Mesa New York Bight Project; by N. Arthur Pore and Celso S. Barrientos - NY Sea Grant Inst.
351. February, 1976; Sea Grant Coastal Zone Management and Planning Publications
352. February 9, 1976 Subject: Coastal Recreation Handbook and Other Items of Interest (Package of publications: Coastal Recreation: A Handbook for Planners and Managers: Executive Summary of Handbook; "Section 404 Permit Program; Directory of Disaster Related Technology; Economic Impacts of the Proposed California Coastal Plan; Results of a Survey of State CZM Program Information Needs)

353. February 10, 1976; The Ocean's Reach: Digest of a NERBC Workshop on Identifying the Extent of Coastal Flood Hazard Areas and Associated Risk Zones; by New England River Basins Commission.
354. February 15, 1976; Coastal Zone Management: Focus on New England; An Annotated Selected Bibliography; compiled by Barbara Passero and Mary Jane Seale of MIT Sea Grant Program.
355. March, 1976; 1976 Great Lakes Directory; prepared by the Great Lakes Environmental Laboratory NOAA, U.S. Department of Commerce.
356. March, 1976; Joint Economic Report - Joint Economic Committee Congress of the U.S.
357. March 3, 1976; State of Rhode Island Coastal Resources Management Council - Management Program; by Coastal Resources Management Council.
358. March 12, 1976; Subject: Critical Areas Workshops (Copy of Interior publication; Critical Areas and Information/Data Handling Primer, and information on related workshops conducted by DOI.)
359. March 12, 1976; Subject: Coastal Mapping Handbook (copy of Coastal Mapping Handbook (draft edition) published by USGS and NOAA-NOS).
360. March 19, 1976; Second Year New York State Coastal Zone Management Program Grant Application; NYS Department of State, Division of State Planning.
361. March 30, 1976; Subject: CEQ Report
362. March 31, 1976; First Year Report - DEC's Participation in the NYS Coastal Zone Management Program
363. March-April, 1976; Coastal Zone and Land Use Documents; Vol. 2, No. 2; by Coastal Zone Laboratory Program and Michigan Sea Grant Program.
364. April, 1976; Shore & Beach - Vol. 44 "Journal of the American Shore and Beach Preservation Association"
365. April 1, 1976; Peak Demand and Energy Requirements; by NY Power Pool and the Empire State Electric Energy Research Corp.
366. April 1, 1976; Long Range Generation & Transmission Plan; by NY Power Pool and the Empire State Electric Energy Research Corp.
367. April 1, 1976; Research & Development Plans - Vols. 2a, 3b, 3c.
368. April 26, 1976; Subject: Coastal Reference Material (Eight documents and a brochure: Rapid Growth from Energy Projects; Biological Evaluation of Environmental Impact; Summary of State Land Use Controls; Visual Quality of the Coastal Zone (4 papers); Recent Acquisitions of the Coastal Zone Information Center and Directory of State Government Energy - Related Agencies.)

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370. May, 1976; Coastal Zone Gazette - News clippings on Great Lakes Issues; by Wisconsin Coastal Zone Coordinating and Advisory Council.
371. May 12, 1976; Subject: Environmental Directory ("Directory of Environmental Groups in New England" sent to New England State Coastal Program Managers).

- * 372. May 12, 1976; Memo on a Statewide Coastal Zone Management Boundary; prepared by NYS Dept. of Env. Cons.; for NYS Dept. of State, Division of State Planning
- 373. May 18, 1976; Subject: Coastal Information Handbook and Bibliography (Coastal Information Handbook gives a specialized cross referenced coastal subject index to be used in organizing information materials. Focus on New England, annotated bibliography compiled by the MIT Sea Grant Program for New England
- * 374. May 24, 1976; Threshold Papers:
 - 1. Boundaries of the Coastal Zone
 - 2. Land and Water Uses
 - 3. Geographic Areas
 - 4. Public and Governmental Involvement
 - 5. State/Federal Interaction and National Interests
 - 6. Organization
 - 7. Authorities
 New York State, Department of State, Div. of State Planning
- * 375. May-June, 1976; reprint; Coastlines, Vol. 7 #3; NYS Sea Grant, Cornell University and State Univ. of NY
- 376. June, 1976; Agency Identification and Coordination Alabama Coastal Area Management Program; by Alabama Development Office
- 377. June, 1976; "Fire Island", National Seashore/NY; Draft General Management Plan
- 378. June, 1976; Coastal Zone Bibliography: Citations to Documents on Planning, Resources Management & Impact Assessment, 2nd Ed.; by B. Jencko, J. Sorenson, & J. Breadon; for Sea Grant
- 379. June 1, 1976; Public Attitudes and Coastal Resources in New Hampshire; by David W. Moore
- 380. June 22, 1976; Subject: Informational Materials (Acquisitions Lists of the Coastal Zone Information Center March-April, 1976, and May-June, 1976. Also, How to Plan an Environmental Conference - a techniques for developing citizen leadership published by the LWV.)
- 381. June 25, 1976; Subject: Subject Bibliographies and Periodical List (Enclosed 9 bibliographies recently acquired by the Information Center. Also included was the annual update of the periodicals received in the Center).
- * 382. July, 1976; Coastal Zone Management Act of 1972 and Amendments.
- 383. July, 1976; Land and Water Uses; NYS DOS, DSP
- 384. July 1, 1976; Offshore Oil Development on the Georges Bank by Continental Oil Company "Symposium on the Economics and Logistics of Offshore Oil Development Sebasco Lodge, Phippsburg, Maine"

- *385. July 21, 1976; New York State Coastal Zone Management Second Year Program Work Schedule, NYS DOS, DSP.
386. August, 1976; Who's Minding the Shore? A Citizen's Guide to Coastal Management; prepared by Natural Resources Defense Council, Inc.
- *387. August, 1976; Governmental Jurisdictions of the New York Coastal Zone; by Paul D. Marr, Associate Professor, SUNY at Albany; sponsored by the New York Sea Grant Institute.
388. August, 1976; Onshore Facilities Related to Offshore Oil and Gas Development, "Estimates for New England"; by NERBC (staff draft)
389. August 26, 1976; Subject: Informational Materials (Enclosed 7 documents- Port Development in the US; Directory to US Geological Survey Program Activities in Coastal Areas, 1974-76; Recent Acquisitions of the Coastal Zone Information Center; Living By the Sea; Ecosystems and Resources of the Massachusetts Coast; and Washington Sea Grant Publications.)
390. September, 1976; Environmental Quality; Council on Environmental Quality.
391. September, 1976; "The Management of Urban Coastal Resources"; by Mitchell L. Moss, paper presented to the Marine Tech. Society Annual Meeting, 9/13-15, 1976.
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- *394. September 29, 1976; draft; Shorefront Access Planning Process Sec 305(b)(7); NOAA, Department of Commerce.
- *395. September 30, 1976; The Hurricane Problem; A statement of concern by the American Meteorological Society.
- *396. September 30, 1976; draft; Shoreline Erosion Planning Process Sec. 305(b)(9); NOAA, Department of Commerce.
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- *398. October, 1976; draft - Environmental Impact Statement-Rules and Regulations for Implementing the Coastal Energy Impact Program, Sec. 308; OCZM, NOAA, Department of Commerce.
399. October, 1976; Grant-In-Aid for Fisheries Program Activities; U.S. Department of Commerce, NOAA, National Marine Fisheries Service.
400. October, 1976; Review of the Draft EIS on the OCS Oil and Gas Lease Sale #42.

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- *403. October 4, 1976; draft; 305 1/2 Approval (Sec. 305(d)); NOAA Dept. of Commerce.
- *404. October 22, 1976, Task II Draft Paper, State/Local Government Continuing Consultation Mechanism (Sec. 306(c)(2)(B)); NOAA Dept. of Commerce.
- *405. October 22, 1976; Federal Register; - "Coastal Energy Impact Program: Proposed Regulations for Financial Assistance to Coastal States".
- *406. October 22, 1976; Task II Draft Paper; Review of 306 Performance (Sec. 312); NOAA, Dept. of Commerce.
- *407. October 26, 1976 Task II Draft Paper; Energy Facility Planning Process (Sec. 305(b)(8)); NOAA, Dept. of Commerce.
- *408. October 26, 1976; Task II Draft Paper; State Grants for Research and Technical Assistance (Sec. 310(b)); NOAA, Dept. of Commerce.
- *409. October 28, 1976; Task II Draft Paper; Interstate Grants (Sec. 309); NOAA, Dept. of Commerce.
- *410. November 19, 1976; Science Vol. 194, PP 791-796; by W.B. Travers and P.R. Luney; - "Drilling, Tankers and Oil Spills on the Atlantic Outer Continental Shelf".
- *411. December 1, 1976; New York State Coastal Zone Management Program - brochure; by League of Women Voters' of New York State and Division of State Planning, New York State Department of State.
- *412. December 6, 1976; Federal Register; "Coastal Zone Management: Proposed Regulations for Program Development Grants".

OTHER PERTINENT INFORMATION

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2. ; CZM Contractors List for 1976-77
3. ; "The Urban Waterfront: Opportunities for Renewal"; by Mitchell L. Moss, Coastal Zone Management Journal
4. ; "The Urban Port: A Hidden Resource for the City and the Coastal Zone"; by Mitchell L. Moss, Coastal Zone Management Journal
5. ; Coastal Ecological Systems of the United States, Vol. I, II, III, IV; edited by H.T. Odun, B.J. Copeland and E.A. McMahan; published by The Conservation Foundation in cooperation with NOAA, Office of Coastal Environment.
6. ; Power and the Environment - a Planning Report; by N.Y. Regional Office of the Federal Power Commission; for Long Island Sound Regional Study, NERBC.
7. ; Aquaculture in New England; Marine Technical Report Series No. 18; by J.M. Gates, G.C. Matthiessen and C.A. Griscom; Sea Grant, Univ. of Rhode Island.
8. ; St. Lawrence-Eastern Ontario Commission - Program Summary for Citizen Advisory Committees
9. ; U. S. Department of Commerce - State of Washington Coastal Zone Management Program
10. ; The Commonwealth of Massachusetts, Executive Department; Living by the Sea
11. ; Identification and Analysis of Mid-Atlantic Onshore OCS Impacts; prepared by Resource Planning Assoc. Inc., Cambridge, Mass.
12. Leasing and Management of Energy Resources on the Outer Continental Shelf - U.S. Department of the Interior Bureau of Land Management/Geological Survey.
13. Draft - Analysis of Service Areas and Resource Needs/Part A - A Comprehensive Study of the Tocks Island Lake Project and Alternatives; URS/Madigan-Praeger Inc. and Conklin and Rossant.
14. ; Coastal Zone Management: Fact or Fiction; prepared by Roger N. Allbee; for NYS Sea Grant.
15. ; Coastal and Offshore Environmental Inventory-Cape Hatteras and Nantucket Shoals, Complement Volume; Marine Publication Series No. 3, Univ. of Rhode Island; by Marine Experiment Station, Graduate School of Oceanography.
16. ; 202 Questions for the Endangered Coastal Zone; edited by D.W. Bennett, Conservation Director, American Littoral Society - 2nd Printing, Special Publication #6.

17. ; "A State-Federal Partnership", brochure; by New England River Basins Commission
18. ; Coastal Zone Management Services; by Earth Satellite Corporation, Geosciences and Environmental Applications Division 1771 N Street, N.W., Washington, D.C. 20036
19. ; "A Systems Approach to Evaluate" - Element 4 - Impact of Land Use Decisions on Water Resources with Application to the Lake Ontario Shoreline; by Genesee/Finger Lakes Regional Planning Board.
20. ; Rensselaer Fresh Water Institute at Lake George - "Distribution of Metals in Lake Sediments of the Adirondack Region of New York State"; by Sherman L. Williams, Donald B. Aulenbach and Nicholas L. Clesceri
21. ; Summary of Commerce - Eastern Gulf; by Clifford F. Anderson Associate Professor, Institute of Engineering Technology, Mississippi State University; for Mississippi Marine Resources Council, P.O. Box 497, Long Beach, Mississippi 39560
22. ; Pipeline Utility Corridor Standards Volume I; by Clifford F. Anderson, Associate Professor, Institute of Engineering Technology, College of Engineering, Mississippi State University; for Mississippi Marine Resources Council, P.O. Box 497, Long Beach Mississippi 39560
23. ; PIPELINE UTILITY CORRIDOR STANDARDS VOLUME II - Legislation Governing Pipeline Standards; by Clifford F. Anderson, Associate Professor, Institute of Engineering Technology, Mississippi State University; for Mississippi Marine Resources Council, P. O. Box 497, Long Beach, Mississippi 39560
24. ; POTENTIAL ONSHORE EFFECTS OF DEEPWATER OIL TERMINAL-RELATED INDUSTRIAL DEVELOPMENT - "Executive Summary" Vol. I; Report to The Council on Environmental Quality; by Arthur D. Little, Inc.
25. ; POTENTIAL ONSHORE EFFECTS OF DEEPWATER OIL TERMINAL-RELATED INDUSTRIAL DEVELOPMENT East Coast-Mid-Atlantic and Maine, Vol. 2; "Report to the Council on Environmental Quality"; by Arthur D. Little, Inc.
26. ; State of California Coastal Zone Management Program Draft Environmental Impact Statement; prepared by the Office of Coastal Zone Management-U.S. Department of Commerce, NOAA.
27. ; Developer's Handbook; by Allen Carrol, State of Connecticut Department of Environmental Protection Coastal Area Management Program.
28. ; California Comprehensive Ocean Area Plan.
29. ; Flood Insurance Seminars-Project Completion Report; by NYS Department of Environmental Conservation.

3007

Peter A.A. Berle

September 27, 1976

MEMORANDUM

TO: Interested Parties

FROM: Greg Sovas, OCS Study Manager

SUBJECT: OCS Bibliography

The DEC OCS Study Program maintains a small library of basic reports that is updated periodically. As a result of the recent OCS Contractors' meeting, a bibliography has been prepared and is enclosed. I would appreciate receiving any additional reports or information on reports which we do not have, so that the library can be expanded and kept up to date.

We maintain this library for your use as well as our; let me know if you feel that any of these reports would be useful to you.

Enclosure

cc: Dave Buerle - DOS
James Davis - ED-NYGS
Gary Feldman - EDB
Ivan Vamos - OPR
Carl Sobremisana - NYC
Lee Kopplemann - NSRPB
Sam Swanson - PSC
John Edwards - EPO
Peter Ansell - Commerce
Sandra Caron - Commerce
John Judd - Sea Grant
Al Hammon - Port Authority
Jim Marotta - OCS
Dennis Lynch - Suffolk County
Don Marotta - Nassau County

Al Jensen
Randy Stelle
Gerald Brezner
John Dragonetti

(Enumerated)

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Annual Report	Annual Report for Year I (1971)	Sea Grant (NI)
Annual Report	Annual Report (72 & 73)	Sea Grant (NI)
Annual Report	Program '74-'75	Sea Grant (NI)
Annual Report	Environmental Quality: The Fourth Annual Report of the Council on Environmental Quality	Council on Environmental Quality
Annual Report	The Outer Continental Shelf Research Management Advisory Board Annual Report to the Secretary, Department of the Interior Calendar Year 1974	Outer Continental Shelf Research Management Advisory Board
Baseline Studies	Annual Activities Report Affiliated Colleges and Universities, Inc.	New York Ocean Science Laboratory
Baseline Studies	Marine Environmental Study Plan for the North Atlantic/Georges Bank Outer Continental Shelf	United States Department of the Interior
Baseline Studies	Position Paper on Bureau of Land Management's Baseline Studies Conference on Georges Bank	Massachusetts Executive Office of Environmental Affairs
Coastal Planning	North Sea Oil and Gas Coastal Planning Guidelines	Scottish Development Department
Coastal Zone	Governing California's Coast	Stanley Scott
Council on Environmental Quality	The Council on Environmental Quality and the National Environmental Policy Act	Mid Atlantic Governors' Coastal Resources Council
Deep Water Port	Deepwater Port Policy Issues	United States Senate
Deep Water Port	Potential Impacts of a Deep Water Port in the North Atlantic	Tri-State Regional Planning Commission
Economics	The Economic Value of Ocean Resources to the United States	United State Senate, National Ocean Policy Study
Economics	Atlantic Outer Continental Shelf Energy Resources: An Economic Analysis	Robert J. Walter
Economics	Atlantic Outer Continental Shelf Energy Resources: Economic Implications for Long Island	Robert J. Walter and Wallace E. Tyler

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Energy	A Time to Choose, America's Energy Future	Energy Policy Project of the <u>Bard Foundation</u>
Energy	Conserving Energy - Prospects and Opportunities in the New York Region	Resources for the Future
Energy	Energy Independence Act of 1975 and Related Tax Proposals	Federal Energy Administration
Energy	Energy Legislation - Update April 30, 1976 #6	Council of State Governments
Energy	Energy Legislation - Update June 30, 1976 #7	Council of State Governments
Energy	National Energy Outlook (1973 Executive Summary)	Federal Energy Administration
Energy	Rapid Growth From Energy Projects: Ideas for State and Local Action	RJD
Energy Development	Effects of New England of Petroleum-Related Industrial Development Volume 1: Executive Summary Volume 2: Modular Results Volume 3: Regional Factors Volume 4: Appendix	Arthur D. Little, Inc. for New England Regional Commission
Energy Policy	Energy	New Jersey, Energy Office
Energy Policy	The Oil Industry, the Department of the Interior and Public Policy for Energy	Robert Engler
Energy Resources	Atlantic Outer Continental Shelf Energy Resources: Economic Implications for Long Island	Cornell University, Department of Agricultural Economics
Energy Resources	Natural Gas	Commonwealth of Mass.
Energy Resources	Report to the General Assembly of the State of Illinois	State of Illinois, Illinois Energy Resources Commission
Energy Supply	Energy Supply Act of 1974	Senate
Energy Supply	Energy Supply Act Working Paper	United States Senate
Environmental Impacts	Controlling Georges Bank Oil & Gas Development	New England Energy Authority

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Environmental Impact	Georges Bank Conference: Marine Environmental Assessment Needs on the Georges Bank related to Petroleum Exploration and Development	New England Natural Resources Center
Environmental Impacts	Mid-Atlantic Regional Study: An Assessment of the Onshore Effects of Offshore Oil and Gas Development	Woodward-Clyde Consultants
Environmental Impacts	North Sea Oil and Gas: Impact of Development on the Coastal Zone	United States Senate, National Ocean Policy Study
Environmental Impacts	OCS Oil and Gas - An Environmental Assessment	Council on Environmental Quality
Environmental Impacts	OCS Oil and Gas - An Environmental Assessment, Volumes 1-5	Council on Environmental Quality
Environmental Impacts	The Impact of Offshore Oil: New Hampshire and the North Sea Experience	New Hampshire
Environmental Studies	Bureau of Land Management Outer Continental Shelf (OCS) Environmental Studies Program	U.S. Department of the Interior
Exploration	Government Exploration of the OCS	U.S. Department of the Interior
Exploration	Petroleum Exploration Offshore from New York	New York State Geologist
Fishing	Fishing and Petroleum Interactions on Georges Bank	New England Regional Commission
Fishing	Effects on Commercial Fishing of Petroleum Development off the Northeastern United States	Woods Hole Oceanographic Institution
Fisheries	Marine Fisheries Management Act	Council of State Governments
Fisheries	To Stem the Tide: Effective State Marine Fisheries Management	Council of State Governments
Geology	Review of the Subsurface Geology and Resource Potential of Southern Delaware	Richard H. Danson
Land Use	Existing Land Use	Nassau-Suffolk Regional Planning Board
Law	Ocean and Coastal Law	Practising Law Institute

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Leasing	Comments on Leasing on the Outer Continental Shelf - North Atlantic (Mass. Coastal Zone Management)	Massachusetts Executive Office of Environmental Affairs
Leasing	Leasing and Management of Energy Resources on the Outer Continental Shelf	United States Department of the Interior
Leasing Program	Acceleration of Outer Continental Shelf Leasing "Technical Paper"	U.S. Department of the Interior
Leasing Program	An Analysis of the Department of Interiors Proposed Acceleration of Development of Oil and Gas on the Outer Continental Shelf	United States Senate, National Ocean Policy Study
Leasing Program	Outer Continental Shelf Oil and Gas Leasing Off Southern California: Analysis of Issues	United States Senate, National Ocean Policy Study
Legislation	Coastal Zone Legal References (Selected) 1975	New York Sea Grant
Legislation	Environment and Land-Use: Two California Experiments	Richard W. Tager
Legislation	General Rules and Regulations for the Conservation of Oil and Gas	Interstate Oil Compact Commission
Legislation	Hearings Before AD HOC Select Committee on Outer Continental Shelf (OCS Lands Act Amendments of 1975)	House of Representatives
Legislation	Hearings Before the Committee on Interior Insular Affairs (OCS Policy Issues)	United States Senate
Legislation	Oil, Gas and Mineral Exploration Regulations	State of Delaware
Legislation	Legal Considerations for the Construction and Operation of a Deep-water Oil Terminal in the Delaware Bay	University of Delaware; Center for the Study of Marine Policy
Legislation	Oil, Gas, and Offshore Drilling: A Study of Various State Statutes Regulating Leasing of Offshore Oil Lands	Virginia, Office of Attorney General
Legislation	Staff Report: Summary of Federal Responsibilities in Oil and Gas Leasing on the Outer Continental Shelf	New England Silver Basins Commission

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Legislation	U.S. vs. States of Maine, New Hampshire, Massachusetts, Rhode Island, NY, NJ, Delaware, MD, VA, NC, SC, and Georgia (right to explore and exploit the natural resources of the seabed and subsoil)	Supreme Court of the United States
Management	Mineral Resource Management of the Outer Continental Shelf	Geological Survey
National Oceanic and Atmospheric Administration	The National Oceanic and Atmospheric Administration and the Coastal Zone Management Act of 1972	Mid Atlantic Governors' Coastal Resources Council
Ocean Dumping	Ocean Dumping: A National Policy	Council on Environmental Quality
Ocean Dumping	Ocean Dumping in the New York Bight	Marine Ecosystems Analysis Program (MESA)
Ocean Policy	Toward a National Ocean Policy: 1976 and Beyond	National Science Foundation
OCS Regulation	Regulations Pertaining to Mineral Leasing, Operations and Pipelines on the Outer Continental Shelf	United States Department of the Interior
Offshore Drilling	Offshore Drilling Conference	New York Ocean Science Laboratory
Oilspill	An Oilspill Risk Analysis for the Mid-Atlantic Outer Continental Shelf Lease Area	U.S. Geological Survey
Oil Spills	Effects of Oil on Marine Ecosystems: A Review for Administrators and Policy Makers	Dale R. Evans and Stanley D. Rice
Oil Spills	Movement and Effects of Spilled Oil Over the Outer Continental Shelf - Inadequacy of Existent Data for the Baltimore Canyon Trough Area	USGS
Oil Spills	Oil: Study of Pollution Insurance Liability Laws	Environmental Policy Institute
Oil Spills	Oil Spills and Spills of Hazardous Substances	Environmental Protection Agency
Oil Spills	Oil Spills and the Marine Environment	Ford Foundation

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Oil Spills	Potential Biological Effects of Hypothetical Oil Spills Occurring in the Nearshore Waters of Long Island's South Shore	Massachusetts Institute of Technology
Oil Spill	Proceedings of the Seminar on Oil Spill Prevention, Containment and Clean-up Technology	Nassau-Suffolk Regional Planning Board
Oil Spill	The Prediction of Oil Spill Movement in the Ocean South of Nassau and Suffolk Counties, New York	Marine Sciences Research Center
Other States	Virginia and the Outer Continental Shelf: Problems, Possibilities and Posture	Virginia, Outer Continental Shelf Advisory Committee
Outer Continental Shelf	Coastal Effects of Offshore Energy Development: Oil and Gas Systems (Summary of an Interim Report to the Technology Assessment Board)	Technology Assessment, Office of
Outer Continental Shelf	Oceans	Woods Hole Oceanographic Institute
Outer Continental Shelf Development	Outer Continental Shelf Oil and Gas Development and the Coastal Zone	United States Senate, National Ocean Policy Study
Outer Continental Shelf Development (Mid-Atlantic)	Identification and Analysis of Mid-Atlantic Onshore OCS Impacts	Resource Planning Associates Inc. for MAGCRC
Pipelines	Pipelines in the Ocean	American Society of Civil Engineers
Port Authority	The Port of New York Crossroads of World Trade	Port Authority of New York and New Jersey
Port Authority	Undeveloped Land Adjacent to Deep Water in the Port of New York	Port of New York Authority
Ports	The New York - New Jersey Harbor (Its Scope, Waterways, Commerce, Terminals and Shoreline)	Port Authority of NY & NJ
Recreation	Statement for Management and Environmental Assessment	National Park Service
Resources	Ocean Petroleum Resources	National Petroleum Council

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Safety	Outer Continental Shelf Standard - Safety requirements for drilling operations in a hydrogen sulfide environment.	United States Department of the Interior
Siting	A Methodology for the Siting of Onshore Facilities Associated with OCS Development	New England River Basins Commission
Siting	Brown and Root Impact Study	Brown and Root
Socio-Economic Factors	A Socio-Economic and Environmental Inventory of the North Atlantic Region Volume 1 (Books 1-5) - - - - - Volume 2 Volume 3 (Books 1-2)	Research Institute of the Gulf of Maine (Trigom)
Socio-Economic Factors	A Study of the Socio-Economic Factors Relating to the Outer Continental Shelf of the Mid-Atlantic Coast Book 1 - Volumes I, II, III - - - Book 2 - Volumes IV, V Book 3 - Volumes VI, VII, VIII, IX	University of Delaware
Technology	Energy Under the Oceans: A Technology Assessment of Outer Continental Shelf Oil and Gas Operations	University of Oklahoma
Technology	Mineral Resource Management of the Outer Continental Shelf	United States Department of the Interior, U.S. Geological Survey
Technology	Multi-Purpose Offshore Industrial-Port Islands: Process Description and Adaptation Study	Gilbert Associates, Inc.
Tides	Storm Surge; MESA New Bight Atlas Monograph	Sea Grant Monograph
Tides	Tides; MESA New York Bight Atlas Monograph	Sea Grant Monograph
Water Quality	The Pollution Susceptibility of the Marine Waters of Nassau and Suffolk Counties New York	Marine Sciences Research Center; State University of New York

DEC CZM SECOND YEAR WORK PROGRAM
STATUS OF MAJOR TASK OUTPUTS

<u>TASK</u>	<u>OUTPUT</u>	<u>SCHEDULED COMPLETION</u>	<u>REMARKS</u>
2.1	<u>Information Sources</u> a. Draft bibliography b. Final bibliography	November 15, 1976 March 31, 1977	-Draft complete
4.1	<u>Inventory of State & Federal Programs</u> a. Update 1st year report b. Final report	October 1, 1976 March 31, 1977	-Complete
6.1	<u>Identify and Map CZM Boundaries</u> a. Prepare preliminary state-wide maps using DEC and local contractor inputs b. Refine maps and report	February 15, 1977	-Mapping for public participation purposes can begin upon DOS promulgation of legends and symbols -Refinement based on public participation results and identification of GAPC boundaries
7.1	<u>Mapping Wetlands for Coastal Zone Counties</u>	March 31, 1977	-Scheduled completion may be delayed several weeks due to personnel loss
7.2	<u>Flood Plain Management and Erosion Control</u> a. Long Island Sound, Hudson River, Great Lakes/St. Lawrence	March 31, 1977	-On schedule
7.3	<u>Identification and Mapping of Geographic Areas of Particular Concern</u> a. Significant fish and wildlife habitats for New York City and Great Lakes St. Lawrence b. Other GAPC's	March 31, 1977 March 31, 1977	-On schedule -New staff person to spend full time on this task, 7.4 and 8.1.
7.4	<u>Permissible Uses</u> a. Guidelines b. Detailed Analysis	January 15, 1977 March 31, 1977	

<u>TASK</u>	<u>OUTPUT</u>	<u>SCHEDULED COMPLETION</u>	<u>REMARKS</u>
8.1	<u>Identification and Resolution of Use Conflict</u>	March 31, 1977	-Task completion depends on other contractor identification of significant non-resource oriented coastal zone uses.
8.4	<u>Integration of Water Quality Plans with CZM</u>	March 31, 1977	-On schedule
8.5	<u>Water Supply Needs, Problems and Management</u>	September 1, 1976	-Report completed and available
8.10	<u>Identification of Regional Facilities</u>	March 31, 1977	-On schedule
9.3	<u>Legal and Institutional Arrangements</u>	March 31, 1977	-Assistance to DOS by DEC staff
10.3	<u>Graphics and Report Production</u>		
	a. Coastal zone base maps (not including N-SRPB and SLEOC)	September 1, 1976	-Maps completed and sent to local agencies for checking

9/27/76

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Annual Report	Annual Report for Year I (1971)	Sea Grant (NY)
Annual Report	Annual Report (72 & 73)	Sea Grant (NY)
Annual Report	Program '74-'75	Sea Grant (NY)
Annual Report	Environmental Quality: The Fourth Annual Report of the Council on Environmental Quality	Council on Environmental Quality
Annual Report	The Outer Continental Shelf Research Management Advisory Board Annual Report to the Secretary, Department of the Interior Calendar Year 1974	Outer Continental Shelf Research Management Advisory Board
Baseline Studies	Annual Activities Report Affiliated Colleges and Universities, Inc.	New York Ocean Science Laboratory
Baseline Studies	Marine Environmental Study Plan for the North Atlantic/Georges Bank Outer Continental Shelf	United States Department of the Interior
Baseline Studies	Position Paper on Bureau of Land Management's Baseline Studies Conference on Georges Bank	Massachusetts Executive Office of Environmental Affairs
Coastal Planning	North Sea Oil and Gas Coastal Planning Guidelines	Scottish Development Department
Coastal Zone	Governing California's Coast	Stanley Scott
Council on Environmental Quality	The Council on Environmental Quality and the National Environmental Policy Act	Mid Atlantic Governors' Coastal Resources Council
Deep Water Port	Deepwater Port Policy Issues	United States Senate
Deep Water Port	Potential Impacts of a Deep Water Port in the North Atlantic	Tri-State Regional Planning Commission
Economics	The Economic Value of Ocean Resources to the United States	United State Senate, National Ocean Policy Study
Economics	Atlantic Outer Continental Shelf Energy Resources: An Economic Analysis	Robert J. Kalter
Economics	Atlantic Outer Continental Shelf Energy Resources: Economic Implications for Long Island	Robert J. Kalter and Wallace E. Tyner

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Energy	A Time to Choose, America's Energy Future	Energy Policy Project of the <u>Ford Foundation</u>
Energy	Conserving Energy - Prospects and Opportunities in the New York Region	Resources for the Future
Energy	Energy Independence Act of 1975 and Related Tax Proposals	Federal Energy Administration
Energy	Energy Legislation - Update April 30, 1976 #6	Council of State Governments
Energy	Energy Legislation - Update June 30, 1976 #7	Council of State Governments
Energy	National Energy Outlook (1973 Executive Summary)	Federal Energy Administration
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Energy Policy	The Oil Industry, the Department of the Interior and Public Policy for Energy	Robert Engler
Energy Resources	Atlantic Outer Continental Shelf Energy Resources: Economic Implications for Long Island	Cornell University, Department of Agricultural Economics
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Energy Supply	Energy Supply Act of 1974	Senate
Energy Supply	Energy Supply Act Working Paper	United States Senate
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<u>Subject</u>	<u>Title</u>	<u>Author</u>
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Environmental Impacts	Mid-Atlantic Regional Study: An Assessment of the Onshore Effects of Offshore Oil and Gas Development	Woodward-Clyde Consultants
Environmental Impacts	North Sea Oil and Gas: Impact of Development on the Coastal Zone	United States Senate, National Ocean Policy Study
Environmental Impacts	OCS Oil and Gas - An Environmental Assessment	Council on Environmental Quality
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Environmental Impacts	The Impact of Offshore Oil: New Hampshire and the North Sea Experience	New Hampshire
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Exploration	Government Exploration of the OCS	U.S. Department of the Interior
Exploration	Petroleum Exploration Offshore from New York	New York State Geologist
Fishing	Fishing and Petroleum Interactions on Georges Bank	New England Regional Commission
Fishing	Effects on Commercial Fishing of Petroleum Development off the Northeastern United States	Woods Hole Oceanographic Institution
Fisheries	Marine Fisheries Management Act	Council of State Governments
Fisheries	To Stem the Tide: Effective State Marine Fisheries Management	Council of State Governments
Geology	Review of the Subsurface Geology and Resource Potential of Southern Delaware	Richard N. Benson
Land Use	Existing Land Use	Nassau-Suffolk Regional Planning Board
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Leasing	Comments on Leasing on the Outer Continental Shelf - North Atlantic (Mass. Coastal Zone Management)	Massachusetts Executive Office of Environmental Affairs
Leasing	Leasing and Management of Energy Resources on the Outer Continental Shelf	United States Department of the Interior
Leasing Program	Acceleration of Outer Continental Shelf Leasing "Technical Paper"	U.S. Department of the Interior
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Legislation	Staff Report: Summary of Federal Responsibilities in Oil and Gas Leasing on the Outer Continental Shelf	New England River Basins Commission

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Legislation	U.S. vs. States of Maine, New Hampshire, Massachusetts, Rhode Island, NY, NJ, Delaware, MD, VA, NC. SC, and Georgia (right to explore and exploit the natural resources of the seabed and subsoil)	Supreme Court of the United States
Management	Mineral Resource Management of the Outer Continental Shelf	Geological Survey
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Oil Spills	Effects of Oil on Marine Ecosystems: A Review for Administrators and Policy Makers	Dale R. Evans and Stanley D. Rice
Oil Spills	Movement and Effects of Spilled Oil Over the Outer Continental Shelf - Inadequacy of Existent Data for the Baltimore Canyon Trough Area	USGS
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Oil Spills	Oil Spills and Spills of Hazardous Substances	Environmental Protection Agency
Oil Spills	Oil Spills and the Marine Environment	Ford Foundation

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Oil Spills	Potential Biological Effects of Hypothetical Oil Spills Occurring in the Nearshore Waters of Long Island's South Shore	Massachusetts Institute of Technology
Oil Spill	Proceedings of the Seminar on Oil Spill Prevention, Containment and Clean-up Technology	Nassau-Suffolk Regional Planning Board
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Pipelines	Pipelines in the Ocean	American Society of Civil Engineers
Port Authority	The Port of New York Crossroads of World Trade	Port Authority of New York and New Jersey
Port Authority	Undeveloped Land Adjacent to Deep Water in the Port of New York	Port of New York Authority
Ports	The New York - New Jersey Harbor (Its Scope, Waterways, Commerce, Terminals and Shoreline)	Port Authority of NY & NJ
Recreation	Statement for Management and Environmental Assessment	National Park Service
Resources	Ocean Petroleum Resources	National Petroleum Council

<u>Subject</u>	<u>Title</u>	<u>Author</u>
Safety	Outer Continental Shelf Standard - Safety requirements for drilling operations in a hydrogen sulfide environment.	United States Department of the Interior
Siting	A Methodology for the Siting of Onshore Facilities Associated with OCS Development	New England River Basins Commission
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Socio-Economic Factors	A Socio-Economic and Environmental Inventory of the North Atlantic Region Volume 1 (Books 1-5) - - - - - Volume 2 Volume 3 (Books 1-2)	Research Institute of the Gulf of Maine (Trigom)
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Technology	Energy Under the Oceans: A Technology Assessment of Outer Continental Shelf Oil and Gas Operations	University of Oklahoma
Technology	Mineral Resource Management of the Outer Continental Shelf	United States Department of the Interior, U.S. Geological Survey
Technology	Multi-Purpose Offshore Industrial-Port Islands: Process Description and Adaptation Study	Gilbert Associates, Inc.
Tides	Storm Surge; MESA New Bight Atlas Monograph	Sea Grant Monograph
Tides	Tides; MESA New York Bight Atlas Monograph	Sea Grant Monograph
Water Quality	The Pollution Susceptibility of the Marine Waters of Nassau and Suffolk Counties New York	Marine Sciences Research Center; State University of New York

THESIS ABSTRACT

- (1) A REVIEW OF CONTAINMENT AND COLLECTION DEVICES FOR OIL SPILLS-James E. Glattly
Jan 1976
- (2) TRANSITION IN THE URBAN BEACH COMMUNITY: A STUDY OF ROCKAWAY NEW YORK Roger A. Salerno
Jul 1975
- (3) THE MANAGEMENT OF URBAN COASTAL RESOURCES Mitchell L. Moss Oct. 1976

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Thesis Abstract



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title: A REVIEW OF CONTAINMENT AND COLLECTION DEVICES FOR OIL SPILLS

author: James E. Glattly, Civil Engineering, SUNY at Buffalo

date: January 1976, Master's thesis.

A whole elaborate technology has grown up in recent years for the recovery of oil that has been spilled, accidentally in most cases, into natural water bodies. Removal of this oil before it spreads far and wide into the surrounding water with deleterious effects on aquatic ecosystems as well as recreation, is a matter of concern to regulatory agencies, environmental interests, and industry. Recovery is never complete; some oil components are quickly dissolved and others sink to the bottom, but under reasonably favorable circumstances, using the most appropriate methods and equipment, significant recovery is usually possible--if initiated quickly. This thesis brings together available information on such equipment and its use for the benefit of "persons whose background in oil spill operations is limited." It is a useful introduction to the field of oil spill recovery for a wide range of readers.

The problem of recovery is divided into three parts: containment, collection, and oil-water separation. Containment is usually accomplished with booms, designed to be deployed quickly around the floating pool of oil. They may even be previously emplaced to surround the area of a possible spill before it occurs. The author discusses several principal types of boom, giving the factors and some of the actual formulas involved in their design. Using this information, it should be possible to select a design for any situation and to estimate its probable performance under given conditions. Unfortunately no existing booms perform well in heavy winds or waves higher than three feet. This means that their use is limited to sheltered locations or calm offshore conditions. The factors limiting performance under marginal conditions are discussed in some detail. There is also a brief description of specialized equipment for boom deployment and anchoring.

Oil captured by a boom must then be collected. This is a difficult problem if wind and waves are present, as they usually are. Various devices are described, with some mention of the advantages and limitations of each. The desired objective of collecting all the oil and none of the associated water cannot be perfectly achieved

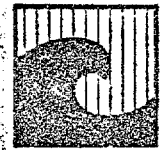
by any of them. As with containment, collection efficiency depends to a great extent on the weather and sea conditions. Some collection devices can be used almost anywhere while others are limited to shoreline locations. Emphasis again is on the principles involved rather than on specific commercial products now on the market.

The recovered oil always contains water. The choice of an oil-water separation method is highly influenced by the location in which it will be used. Devices that work effectively on shore may be useless on a ship rolling in a seaway. Circumstances may dictate the degree of efficiency required in separating the oil and water. Normally the limiting consideration is the purity of discharged water. Requirements will be more stringent if the water is discharged near shore or in a stream.

In addition to a general bibliography, the report contains a lengthy appendix of experimental data relevant to equipment design and use which should be of interest to technically oriented readers.

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Thesis Abstract



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title: TRANSITION IN THE URBAN BEACH COMMUNITY: A STUDY OF ROCKAWAY,
NEW YORK

author: Roger A. Salerno, Graduate School of Public Administration, NYU

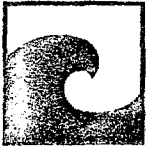
date: July 1975, Master's thesis

When beach resort communities on the perimeter of a growing city become enveloped by, and eventually a part of, the city itself planners are presented with an unusual problem. New York City now includes three such communities, of which The Rockaways is by far the largest in terms of city-owned beach space. In 1974 it is estimated that 42 million people visited the Rockaway beaches between Memorial Day and Labor Day. The visitors arrived, many of them from the inner city, by subway, bus, and private automobile. Yet despite this heavy recreational use The Rockaways are also now an integral part of the city with a large permanent population requiring all the usual city services. The transitions from rural area to vacation spot to city have presented serious planning-related difficulties for all concerned.

Physically, Rockaway consists of an 8-square-mile peninsula of land extending 11 miles from the southwestern corner of Nassau County toward New York's Lower Bay. It has a maximum elevation of 14 feet from mean high water, an average elevation of just over 4 feet, and is part of Long Island's barrier beach chain. Northward is Jamaica Bay and to the south the Atlantic Ocean. Beach erosion from the ocean side is severe and storm flooding occurs from both sides. Part of the land area and most of Jamaica Bay are now included in the Gateway National Park and therefore have become largely a federal responsibility.

Formerly a grazing and agricultural area, the initiation of Rockaway's resort phase occurred with the opening of a hotel, the Marine Pavilion, in 1833. Rapid development for resort purposes continued through the 19th century, accompanied by a gradual increase in the number of permanent residents. Riis Park, part of Rockaway, was the first beach to be purchased for public use by New York City. Extensive beach purchases by the city continued well into this century, at substantial cost both for purchase and for beach maintenance and erosion control (not notably successful).

More recently, the resort hotels have been replaced by high-rise housing, much of it publicly owned, and nursing homes. Service facilities, never adequate by modern standards, are under increasing stress as the population increases rapidly and the average income level of residents declines. Under present conditions of financial difficulty in New York, prospects for improvement are less than promising. Coordinated planning to resolve the many conflicts over land-use regulation does not seem to exist. The author concludes that new methods must be developed to deal with the problems of beach communities in transition.



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THE MANAGEMENT OF URBAN COASTAL RESOURCES

(A paper presented to the Marine Technological Society Annual Meeting, "Oceans '76,"
in Washington, DC, Sept 13-15, 1976)

Mitchell L. Moss

Graduate School of Public Administration, New York University

Abstract

Urban populations are generating intense pressures for the utilization of coastal resources. Coastal management programs must be concerned with expanding the opportunities for use of the coastal zone as well as with the protection of the natural environment. One way to respond to social and economic demands for coastal resources is to increase the carrying capacity of the coastal zone in urban areas. This paper analyzes public ownership and leasing, which is a management tool that allows private development to occur within a framework of public control. Marina del Rey, the world's largest small craft harbor, is a multi-activity coastal community created through such a leasehold system, which serves a diversity of uses within one overall project. If efforts to protect natural coastal areas are to succeed, it will be necessary to determine ways to accommodate pressures for coastal activities through the development and redevelopment of the urban coastal zone.

1. Introduction

The American population is primarily concentrated in metropolitan areas which are on the coastal zone or the Great Lakes.¹ As a result, the use and development of coastal resources has played a major role in the growth of these metropolitan regions. From the earliest days of urban settlements, the character of water-land interface has provided the basic impetus in determining the location of America's cities.²

Traditionally, the coastal zone has constituted a vital component in the social and economic infrastructure of our urban regions; in addition, it has been the locus of port facilities and port-related industries. Today, a diverse array of facilities, such as power plants, transportation terminals, housing, parks, marinas, and beaches are located on the urban coastal zone. Moreover, as large central cities seek to maintain and expand their economic viability, there will be even greater pressure for the development

of new commercial and residential uses of the urban waterfront.

In view of the burgeoning set of demands for access to marine resources and the need for viable economic structures in urban regions, coastal management programs must be designed to accommodate such social, economic and environmental concerns. Therefore, public intervention in the coastal zone should be concerned with expanding the opportunities for human use as well as with the protection of the natural environment. Economic development of coastal zone resources has often been considered to be antithetical to environmental values on the coastal zone. This paper explores how coastal resource development can be incorporated into the framework of coastal management.

2. Increasing the Carrying Capacity of the Urban Coastal Zone

Increasing the carrying capacity of the coastal zone in urban areas is one way to accommodate the social and economic demands for coastal resources.³ The concept of carrying capacity initially related to the natural limitations of pastures which served as grazing grounds for cattle.⁴ However, the allocation of urban coastal resources can also be considered in terms of increasing the carrying capacity for urban uses. Determining whether, or how, a portion of the coastal zone can allow more intense and diverse human use permits alternative strategies for coastal zone management to be considered.

In view of the urban needs for waterfront activity, the range of techniques that can be used includes both physical and management mechanisms. For example, the development of new technologies for offshore construction makes it increasingly possible to create more usable space at the shoreline edge through landfill, dredging, and overwater construction techniques.⁵ And the creation of new offshore islands and of new beach space can enhance opportunities for access to this area. The construction of power plants

and deep-water ports at offshore floating islands reduces the range of pressures for allocation of onshore coastal resources and thus permits the available coastal land to be allocated for activities which depend on direct human involvement.

Furthermore, management strategies can be employed to increase carrying capacity. Such strategies are particularly appropriate for those portions of the urban coastal zone where the changes in marine transportation technology and in urban economic structure are producing a major transformation in traditional port areas.⁶ Cargo shipping operations are rapidly shifting their locations to new port facilities designed to accommodate modern technologies such as containerization and land transportation systems oriented to high-speed trucking. As a result, older port areas, unable to meet the space requirements of containerization and linked primarily to rail rather than truck transportation, have witnessed a substantial decline in their activities. In addition, the jet plane has replaced the ocean liner in intercontinental passenger travel. Although there has been an increase in the leisure cruise market, this has largely been developed through fly/sail package tours and thus has primarily benefited warm-water ports.

The impact of these technological processes can be seen on the waterfronts of several cities. In the San Francisco Bay Area, cargo shipping has moved from the City of San Francisco to the City of Oakland. In the Port of New York and New Jersey, cargo shipping has dramatically increased on the New Jersey side of the Port where new container facilities have been built, while the West Side of Manhattan, once an active port site, has undergone a severe decline in passenger and cargo shipping. There are no active cargo piers on the West Side and three piers, which are part of the new Consolidated Passenger Liner Terminal, are used for passenger shipping. Many of the remaining West Side piers and terminals are either vacant or underutilized and have undergone substantial deterioration.

3. Public Ownership and Leasing

A new planning and development mechanism, which allows fuller utilization of the often underused, though valuable, portions of the coastal zone is clearly called for. Public ownership and leasing is one vehicle which has proven to be a particularly effective management technique for public and private cooperation in the development of urban coastal resources. This mechanism, which allows overall control to be vested in the public

sector, while still permitting and encouraging private development of coastal resources, could become a complementary policy tool to increase the effectiveness of coastal management programs.

Public ownership and leasing has been extensively used in the development of major industrial facilities, such as ports, industrial parks, airports, and food and produce markets throughout the United States.⁷ Moreover, public ownership and leasing is a significant management tool for the federally-owned national forests and parks. It is the primary development mechanism for offshore marine resources, and has also been used in such recreational projects as Mission Bay in San Diego and Marina del Rey in Los Angeles.

Nonetheless, this vehicle has been given comparatively little consideration in the planning and management of urban coastal resources. It represents a positive approach to coastal zone management which permits private development to occur within a public framework.⁸ The level of public expenditure needed for development of coastal property is reduced through reliance on the private sector. Moreover, leasing provides a sensitivity to market preferences and thus maintains a balance between bureaucratic rules and self-generating activity of the market. Furthermore, it keeps the option open to recycle coastal land, not by relinquishing control forever, but merely for the term of the lease. Most importantly, public ownership and leasing allows the public sector to capture the long-term increments in land value.⁹

4. Marina del Rey: A Multi-Activity Coastal Community

Marina del Rey in Los Angeles, California is an example of how the coastal carrying capacity can be enlarged in urban regions through both physical and managerial methods. Dredging and landfill techniques were employed to convert a large swampland with limited shoreline frontage into a high-intensity recreational and residential complex with eight miles of waterfront space. Through the mechanism of public ownership and leasing, the County of Los Angeles created a new community on the coastal zone which is also a major regional recreation facility.

Marina del Rey is a recreational and residential facility located on the Santa Monica Bay, 17 miles from downtown Los Angeles. The marina's harbor accommodates more than 6,000 boats; it has a residential community of 10,000; its extensive commercial facilities provide services to residents and visitors from all parts of

the world. The marina contains 23 restaurants, 2 twelve-story office buildings, a 10-acre shopping center, 5 banks, a public beach, and a regional public park.¹⁰

There are three salient features that distinguish Marina del Rey from other small craft harbors. First, as a recreational boating facility, it is qualitatively larger. Secondly, as a mixed activity center, it represents a high intensity urban node which aggregates a diversity of uses within a public facility on the coastal zone. And finally, the creation of this large-scale boating facility has caused a residential community to come into being, with many of the characteristics of a "new town intown."

The facilities that have been established through the use of this development tool at Marina del Rey allow a diverse set of demands for coastal resources to be accommodated at one coastal location. Major commercial, residential, and recreational uses are aggregated and compacted into a total land and water area of 804 acres. Through this intense type of development, it is possible to maintain portions of the coastal zone, at the fringe of urban areas, in their natural state. Pressures for utilization of coastal resources are great, and by responding to them within the core of the urban region, it is possible to limit development of the coastal zone on the periphery of the metropolitan region.

Facilities similar to those that are located in Marina del Rey can be found at other coastal sites, but rarely have such a wide range of uses been integrated into one coastal facility. For example, high density residential developments have been built on the coastal zones of Santa Monica, California and Chicago, while regional restaurant centers have been situated on Fisherman's Wharf in San Francisco and at King Harbor in Redondo Beach, California. Furthermore, in most coastal areas throughout the country, marinas have been traditionally comprised of small docks with limited berthing facilities. By contrast, Marina del Rey accommodates a significantly larger number of boats than most conventional small-craft harbor facilities. The types of facilities located in the marina--anchorage, restaurants, and residential complexes--are increasingly proposed for development on the coastal zone. Marina del Rey demonstrates the potential for integrating such diverse facilities into one cohesive project which can serve several uses.

Public ownership and leasing, as it has been employed at Marina del Rey, provides a marked contrast with the character of development which generally occurs on

publicly-owned land. Publicly-owned coastal property is traditionally used for single-purpose activities, such as beaches, parks, marinas, or ecological preserves. While coastal land acquisition is actively pursued by the public sector, it is most commonly intended to minimize or prevent intense development. The experience at Marina del Rey suggests that it may be possible to increase the range and intensity of uses of the urban coastal zone through public ownership and leasing.

5. Summary and Conclusions

The conventional approach to coastal management assumes that physical resource development produces serious negative effects on natural resource systems, and thus policies must be designed which restrict human intervention in valuable coastal resources. However, there is an increasing need for coastal zone management programs to be concerned with issues extending beyond the protection and preservation of marine and physical life.

The coastal zone should be considered a necessary and vital component of the urban social and economic infrastructure.¹¹ Consequently, efforts must be directed toward developing methods to increase the intensity of use and access to the coastal zone. In order for this to happen, it must be recognized that urban populations require use of, and access to coastal zone resources for a variety of activities and functions. In addition, ways must be found to maintain environmentally acceptable conditions and still allow human use of the coastal zone. Marina del Rey is a prototype of this approach. Here, an increase in access to, and utilization of, a selected portion of the coastal zone was accomplished with relatively little degradation of the coastal environment.¹²

As our coastal resources become subject to increased pressure for human utilization, it will be necessary to determine ways by which the use of the coastal zone can be increased while simultaneously retaining control over the intensity and character of the development. The system of public ownership and leasing at Marina del Rey has provided the framework within which an enormous amount of private development has occurred. The intense human preference for engaging in activities at the coastal zone, and the high value which humans place on coastal locations, makes it economically feasible for the private sector to develop and operate facilities on leased coastal property.

Public ownership and leasing represents a positive approach to the management of coastal resources and provides a mechanism for responding to the intense and diverse demands for utilization of the urban coastal zone. If efforts to protect environmentally sensitive portions of the coastal zone are to succeed, it will be necessary to consider ways to accommodate the human preference for engaging in coastal activities through the development and redevelopment of urban coastal resources.

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NYSSGP-RS-76-023
October 1976

Henry Skoburn

CZM Bibliography

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1st CZM YEAR
(Task 2.1)

Prepared by

New York State Department of Environmental Conservation
Office of Program Development, Planning and Research
50 Wolf Road
Albany, New York 12233

September 1976

FINAL DRAFT

PREFACE

This report is being submitted as required under Task 2.1 of the CZM work program, which calls for the identification and assessment of existing information and sources of information.

The following annotated bibliography is divided into sections representing tasks identified in the annual Coastal Zone Management Work Program for the first CZM year. The bibliography represents information sources used by Department of Environmental Conservation staff in fulfilling contractual assignments and associated interim reports.

The bibliography is organized alphabetically by author within each subject area. Each entry in the bibliography is annotated unless its title is self-explanatory or it is one of several similar studies. In the latter example only the first entry of that type of study or report is annotated.

GOALS AND OBJECTIVES

Erie and Niagara Counties Regional Planning Board, Community Shoreline Protection Measures, Grand Island, N.Y., December, 1974.

The report is a compendium of information on innovative land use controls.

Erie and Niagara Counties Regional Planning Board, Niagara River Environmental Plan, Summary Report, Buffalo, N.Y., June, 1972.

This study identifies and analyzes the environmental problems along the shoreline and proposes mechanisms for solutions. The study area includes the Niagara River and its American Shore. Areas of study include geophysical, land use, highways, historic features, tourist activity and pollution sources.

Erie and Niagara Counties Regional Planning Board, The Urban River, Buffalo, N.Y., October, 1974.

The report proposes that riverfront development objectives be directed toward recreational purposes. The proposals in the report are directed to improve environmental impact.

Michigan Department of Natural Resources, Demonstration Erosion Control Program, November, 1974.

The document evaluates a number of implemented programs in the Demonstration Erosion Control Program. Evaluation was based upon factors including reduction of erosion rates, construction difficulties, durability and cost. The report also includes an investigation of methods for protecting shoreland owners from destruction by erosion.

Nassau-Suffolk Regional Planning Board, Citizen's Advisory Committee, "Goals and Objectives for Coastal Area Development," Minutes from the NSRPB Public Meeting of Coastal Zone Management, 1975.

Minutes of these meetings contain the working Goals and Objectives developed by the Citizen's Advisory Committee, as well as public comments and requests for changes.

New England River Basins Commission, People and the Sound, A Plan for Long Island Sound, Boston, July, 1975.

The Long Island Sound Regional Study Plan recommends actions to be taken by private individuals and groups and various levels of government agencies for management of the water and related land resources of Connecticut and New York portions of Long Island Sound. The plan's recommendations include cleaning up the Sound's waters, increasing public access for recreation and fishing, protecting natural areas and reducing flood damage.

New York State Department of Environmental Conservation, Environmental Plan for New York State, Preliminary Edition, Albany, N.Y., 1973.

The Environmental Plan provides the broad framework necessary for coordinated efforts by state and local government, business, citizens'

groups and individuals for the protection of the environment and wise use of resources. It includes broad objectives and possible steps on five areas which require the effective application of public intelligence: land, air, water, fish and wildlife, and energy.

New York State Department of Environmental Conservation, New York City Metropolitan Area Air Quality Implementation Plan, Division of Air Resources, Albany, Revised May, 1972.

The report, required by the 1970 amendments to the federal Clean Air Act, proposes control strategies to meet national air quality standards. Areas covered by this plan include New York City and Nassau, Rockland, Westchester and Suffolk Counties.

New York State Department of Transportation, Statewide Master Plan for Transportation, Albany, April, 1973.

The plan is a guideline for the development of transportation facilities and services for New York State. It focuses on current problems and issues and alternative solutions.

New York State Office of Parks and Recreation, People, Resources, Recreation: New York Statewide Recreation Program Directions, Albany, September, 1972.

The State Comprehensive Outdoor Recreation Plan proposes program directions in all aspects of recreation. The report also evaluates environmental relationships, land use and settlement and transportation systems in relation to recreation, and lists priorities to accommodate the wide array of concerns.

New York State Office of Planning Coordination, State Development Plan-1, Albany, January, 1971.

This report sketches a pattern of land use and settlement for New York State. The plan identifies problems facing the State in improving physical, economic and environmental aspects, and includes goals and objectives to solve or alleviate these problems.

Oregon Coastal Conservation and Development Commission, Draft Regional Land Use Planning Goals and Guidelines for the Coastal Zone, Department of Land Conservation and Development, Salem, 1975.

The draft goals are based on extensive work of the Oregon Coastal Conservation and Development Commission. The coastal goals tend to speak to special conditions along the coastal zone including wetlands, estuaries, beaches, shoreland resources, freshwater resources, geologic hazards, historical and aesthetic resources, and significant fish and wildlife habitats.

Oregon Land Conservation and Development Commission, Statewide Planning Goals and Guidelines, Department of Land Conservation and Development, Salem, 1974.

The Statewide planning goals of 1974 expand Oregon's previous land use goals to include forest lands, energy, citizen participation,

land use planning, and housing. These goals are statewide in nature, but do provide implementation relationships on a more specific level.

St. Lawrence-Eastern Ontario Commission, The St. Lawrence-Eastern Ontario Shoreline Study: A Planning Guide, Watertown, N.Y., 1972.

This report specifies recommendations of a similar study which inventoried the natural resources in the St. Lawrence-Eastern Ontario area. It is a planning guide providing direction and objectives.

Laws of New York, 1910, Public Service Law

Originally titled the Public Service Commission Law, its purpose is to protect and enforce the rights of the public through the administrative regulation of public utilities in New York State. Articles VII and VIII of the law pertain, respectively, to gas and major electric transmission lines and siting of major steam electric generating facilities which produce major impacts in coastal areas.

Laws of New York, Public Lands Law

The New York State Office of General Services has, through this law, the responsibility for the general care of State lands not vested in other State departments. Of particular interest to coastal zone management are sections of the law concerning underwater land grants, unappropriated State land grants, mineral extraction, underwater land easements and material removal from underwater lands.

Laws of New York, 1967, Transportation Law

This law authorizes the coordination and development of a balanced transportation policy to meet statewide needs, and to develop policies to help resolve special transportation problems in metropolitan and other areas throughout the State, as well as to operate and maintain facilities and services for transportation purposes.

Laws of New York, 1971, Agriculture and Markets Law, Article 25AA, Agricultural Districts

The purpose of agricultural districts is to protect agricultural land as a viable segment of the State's economy and as an economic and environmental resource of major importance. The law limits the functions that facilitate the taking of farmland for non-farm land uses.

Laws of New York, 1972, Environmental Conservation Law

A multiplicity of programs relative to New York's Coastal Zone are based on provisions in this Law. The Law establishes environmental policies for the State including conservation, improvement and protection of the natural resources, the control of land, water and air pollution, and the management of land, water and air "to the end that the State may fulfill its responsibility as trustee of the environment for the present and future generations." (ECL, Title I).

Laws of New York, 1972, Parks and Recreation Law

A significant area of State land along the coastal zone is managed as park and recreation areas. The Law provides the establishment and maintenance of a statewide system of parks, recreation and historic preservation. Local State and national programs for parks, recreation and historic preservation are coordinated as a State function through the N.Y.S. Office of Parks and Recreation.

91st Congress, Clean Air Act of 1970, P.L. 91-604

The Clean Air Act includes the "Clean Air Act of 1963," amendments made by the "Motor Vehicle Air Pollution Control Act", the "Clean Air Act Amendments of 1966", the "Air Quality Act of 1967", and the "Clean Air Amendments of 1970." The major purposes of the Act are to protect and enhance the quality of air resources, to accelerate research to achieve prevention and control of air pollution and to provide assistance to State and local governments in connection with air pollution control programs. The prevention and control of air pollution at its source is a responsibility of State and local governments.

91st Congress, National Environmental Policy Act, P.L. 91-190.

The National Environmental Policy Act of 1969 applies to all Federal Agencies undertaking construction funding or licensing activities which may significantly impact the environment. The Act requires the responsible Federal agency to prepare a draft environmental impact statement for public review which is used in acting upon the proposed action. The Act requires that the environmental impacts of a proposed action and alternative actions be evaluated by the public.

92nd Congress, Water Pollution Control Act of 1972, P.L. 92-500.

The objective of this law is the restoration and maintenance of the chemical, physical and biological integrity of the nation's waters. The policies set forth include the elimination of pollutant discharges into navigable waters by 1985 and the improvement in the condition of surface and underground waters. A number of programs to carry out the policies are described, including facility planning, areawide waste treatment management and water quality management.

93rd Congress, Flood Disaster Protection Act of 1973, P.L. 93-234.

In 1968 the Congress passed the National Flood Insurance Act offering voluntary National Flood Insurance to provide limited identification to victims of flood disasters. The 1973 law amends the National Flood Insurance Act of 1968. In addition, the 1973 law expands the National Flood Insurance Program to include exemption of State-owned property covered under an adequate policy of self-insurance, disaster mitigation requirements, effect of nonparticipation in flood insurance program, and the authority to issue regulations.

Briggs, Phillip, "The sport fishery in the surf on the south shore of Long Island from Jones Inlet to Shinnecock Inlet, New York Fish and Game Journal, 12(1) 31-47, 1965.

This article on surf fishing contains information obtained from personal interviews and aerial censuses. The study was conducted from April through November each year from 1961 through 1963 and shows an increase in the number of anglers. The study demonstrated the need for better access to the beaches east of Fire Island Inlet.

Briggs, Phillip,, "The sport fisheries for winter flounder in several Bays of Long Island," New York Fish and Game Journal, 12(1) 48-70, 1965.

The sport fisheries for Winter Flounder were studied from 1961 through 1963. Data was taken from personal interviews of more than 35,000 anglers to determine fish per angler per trip, proportion of all anglers seeking species, proportion of winter flounder in total catch of all species, and the number of anglers per boat for the boat fisheries. Aerial censuses were also flown, providing instantaneous total counts of the bank and pier anglers and of the boats involved in the various boat fisheries.

Briggs, Phillip, "The sport fisheries for Scup in the inshore waters of eastern Long Island," New York Fish and Game Journal, 15(2), 165-185, 1968.

The sport fisheries for Scup were studies from 1964 through 1966. The study was undertaken to determine the magnitude of the sport fishery for scup and the nature of the catch in the inshore waters of eastern Long Island. Study used personal interview, from 18,078 anglers, and aerial observation.

Briggs, Phillip, "The sport fisheries for Tautog in the inshore waters of eastern Long Island," New York Fish and Game Journal, 16(2) 236-254, 1969.

The study was conducted from 1964 through 1966. Methods used included a roving creel census daily between May and November. Aerial censuses were conducted during the same period. Data was used to determine the catch per effort and the number of anglers per boat for each of the boat facilities.

Briggs, Phillip, "An evaluation of artificial reefs in New York's marine waters," New York Fish and Game Journal, 22(1) 51-56, 1975.

A comparison of Kismet reef in Great South Bay and Fire Island reef in the Atlantic Ocean, with respect to their effectiveness in attracting sport fish and anglers, was made. The popularity of the Great South Bay reef is cited by the author as reason for its expansion.

Briggs, Phillip, "Shore zone fishes in the vicinity of Fire Island Inlet, South Bay New York," New York Fish and Game Journal, 22(1) 1-12, 1975.

The study took place in 1970 and 1971 during the summer and fall. Seining operations were conducted. Captured fish were identified and the number of each species was recorded.

Briggs, Phillip and Joel S. O'Connor, "Comparison of shore-zone fishes over naturally vegetated and sand filled bottoms in Great South Bay," New York Fish and Game Journal, 18(1) 15-41, 1971.

Between May 1967 and November 1968, a total of 310 seine hauls were made representing naturally vegetated bottoms and sand filled bottoms in Great South Bay sites. This paper discusses temporal distribution of shore-zone fishes over the two bottom types in Great South Bay.

Briggs, Phillip and C.S. Zawacki, "American Lobsters at artificial reefs in New York," New York Fish and Game Journal, 21(1) 73-77, 1974.

A study of American Lobsters at the artificial reefs off Fire Island. One is in the Great South Bay, the other offshore in the Atlantic Ocean. Higher catch rates in the ocean were attributed to the onshore migration of lobsters from offshore stocks, but the results were biased by longer fishing time for the gear placed in the ocean.

Dickinson, C.L. "Commercial Fisheries," A Biological Survey of the Salt Waters Long Island, 1938, State of New York Conservation Department (out of print), 1939.

This article traces the historical development of commercial fisheries including the manner and devices used in catching fish. In addition the article describes a procedure of collection of catch records for commercial fishing and the economic importance of this industry.

Freeman, B.L. and L.A. Walford, Anglers guide to the United States Atlantic Coast, C.55 308 An4/Section II, 0320-00070 and C.55 308 An4/Section III 0320-00071, Superintendent of Documents, Washington, D.C., 1974.

This publication maps the general location of populations of fish sought by anglers. Access points and items of historical and cultural interest to fishermen are included.

Jensen, A., "New York's fisheries for Scup, Summer Flounder, and Black Sea Bass," New York Fish and Game Journal, 21(2) 127-134, 1974.

The report discusses the decline in abundance of certain species of fish. The decline, usually blamed on foreign fishing fleets, was, according to the data, started well before foreign fleets fished in local waters. Recreational fishing management, it is concluded, must be given serious consideration.

Leopold, A., Game Management, C. Scribner's Sons, New York, 1933.

Game Management serves as a text for the profession of Game Management. It also serves to explain to the naturalist, biologist, forester and agricultural expert how their respective science relates to game management. The book covers all aspects of game management from its history to the control of hunting, disease, food and water, and to game management as a profession.

Lebell, M.J., "Winter Flounder," A Biological Survey of the Salt Waters of Long Island, 1938, State of New York Conservation Department (out of print), 1939.

This article reports on one of the most common shore fishes on the northeast Atlantic Coast, white flounder. The seasonal fishing activities, fluctuations in amount of commercial fishery catch and recreational catch, age and growth of flounders and migration patterns are discussed.

Neville, W.C., C.L. Dickinson and J.R. Westman, "Miscellaneous Species," A Biological Survey of the Salt Waters of Long Island, 1938, State of New York Conservation Department (out of print), 1939.

This article is actually a summary description of the results of investigations in a study prior to 1938 and a study completed during 1938 on striped bass, porgy, butterfish, sea bass, fluke, tuna, mackerel, whiting, tautog, swordfish and pollock. The article recommends establishing permanent marine fisheries investigation facilities.

Poole, J.C., "The fluke population of Great South Bay in relation to the sport fishery," New York Fish and Game Journal, 9(2) 93-116, 1962.

This study was conducted to investigate the causes for a decline in late-season fishing success for fluke in Great South Bay. Fluke were tagged from 1956 through 1959. Tagging was done in Great South Bay and in ocean waters.

Poole, J.C., "The use of salt water coves as winter flounder nursery grounds," New York Fish and Game Journal, 13(2) 221-225, 1967.

Data concerning the value of salt water coves as nursery grounds for winter flounder were recorded for Shinnecock Bay and Peconic Bay. At each location, paired sampling stations were established. In both bays, the coves were found to be a preferred habitat for young-of-the-year flounder.

Schaefer, R.H., "Species composition, size and seasonal abundance of fish in the surf waters of Long Island," New York Fish and Game Journal, 14(1) 1-46, 1967.

A total of 67,918 fish representing 71 species were collected from the ocean surf at Fire Island in 1961, 1962 and 1963. Species composition of the catch each year, as well as size ranges and mean lengths for each species are reported.

GAPC:NATURAL RESOURCE VALUE

Roy Mann Associates, Inc., Shoreline Appearance and Design: A Planning Handbook.
Prepared for National Park Service and New England River Basins Commission, Cambridge, Massachusetts, April, 1975.

This is a potentially valuable study for use in New York's coastal zone since it develops a systematic assessment method in which criteria for the inventory and categorization of scenic areas are proposed and applied to the north shore of Long Island and the Westchester County shore.

Conklin, Howard E. and Robert E. Linton, The Nature and Distribution of Farming in New York State. New York State Office of Planning Coordination, 1969.

This is a study that appraises and maps the viability of New York State's farms, based on a combination of social, economic and physical factors, not just soil resources alone. This study will be used to supplement the mapping of prime agricultural lands in the coastal zone which is based only on soil criteria.

WATER QUALITY

New York State Department of Environmental Conservation, Water Quality Management Plan, Atlantic Ocean-Long Island Sound (17-01, 17-02), DRAFT, Albany, May, 1976.

This draft report of the Atlantic Ocean-Long Island Sound Water Quality Management Program is one of a series of basin water quality plans being prepared to coordinate water quality decisions throughout the State on a river basin scale. Portions of this plan will be changed based on public comments, changes in priority and pollution abatement needs. The plan identifies water quality problems and planned alleviating measures as part of the planning required under Section 303(e), Federal Water Pollution Control Act Amendments of 1972.

New York State Department of Environmental Conservation, Water Quality Management Plan, Erie-Niagara Basin, Niagara River (01-01), Albany, January, 1975.

As part of the required planning under Section 303(e) Federal Water Pollution Control Act Amendments of 1972, the Erie-Niagara Basin Water Quality Plan outlines the water quality management program in the Niagara River Main Stem sub-basin. The plan identifies the basin's water quality problems and summarizes the planned alleviating measures, including a determination of existing water quality and point and non-point sources of pollution. The plan is compatible with water resources and land use planning in the sub-basin.

New York State Department of Environmental Conservation, Water Quality Management Plan, Lake Ontario Basin, Western Section (03-01), Albany, January, 1975.

New York State Department of Environmental Conservation, Water Quality Management Plan, St. Lawrence Basin (04-00), Albany, June, 1975.

East Hampton Star Newspaper "Georgia Pond 'Stabilization' Becomes an Issue Once Again," East Hampton Star, February 6, 1976

This newspaper article discusses the positions of landowners and local officials on the proposed construction of a permanent barrier between Georgica Bay and the Atlantic Ocean.

U.S. Department of the Interior Gateway National Recreation Area, Basic Information, September 1975

The Gateway Report provides a brief outline of the concerns, influences, and goals that have been identified in planning for the park to date. This booklet, considered a draft document, is a condensed version of Gateway's "Statement for Management"-a document intended to establish the framework for planning and management at Gateway and to provide the rationale for development and implementation of the park's master plan.

U.S. Department of the Interior, National Park Service Fire Island National Seashore Master Plan Draft, March, 1975.

Fire Island National Seashore Master Plan Draft discusses alternatives for management of the National Seashore lands and adjacent waters, at Fire Island.

U.S. Army Corps of Engineers Beach Erosion Control Report on Cooperative Study (Survey), Atlantic Coast of Long Island, New York, Fire Island Inlet and Shore Westerly to Jones Inlet, September 1955.

The study is to determine the most practicable and economic method of providing adequate material to maintain the shore from Fire Island Inlet to James Inlet in a suitably stable condition and providing an adequate navigation channel in Fire Island Inlet, (Other beach erosion cooperative studies listed below are similar in nature)

U.S. Army Corps of Engineers Cooperative Beach Erosion Control and Interim Hurricane Study (Survey), Atlantic Coast of New York City from East Rockaway Inlet to Rockaway Inlet and Jamaica Bay, New York, April, 1964.

U.S. Army Corps of Engineers Cooperative Beach Erosion Control and Interim Hurricane Study (Survey) Atlantic Coast of New York City from Rockaway Inlet to Montauk Point, New York (Gateway National Area). August, 1973
Revised December 1974.

U.S. Army Corps of Engineers Cooperative Beach Erosion Control and Interim Hurricane Study (Survey), Atlantic Coast of Long Island, N.Y. Fire Island Inlet to Montauk Point, July 1958.

U.S. Army Corps of Engineers Cooperative Beach Erosion Control and Interim Hurricane Study (Survey), Staten Island, New York, Port Wadsworth to Arthur Kill, March 1964

U.S. Army Corps of Engineers Interim Hurricane Study of the Atlantic Coast of Long Island, New York, Jones Inlet to Montauk Point (Remaining Areas), November, 1967.

U.S. Army Corps of Engineers Report on Beach Erosion Control and Interim Hurricane Study of the Atlantic Coast of Long Island, New York, Jones Inlet to East Rockaway Inlet, January, 1973.

U.S. Army Corps of Engineers Review Report on Beach Erosion Control Cooperative Study of Atlantic Coast of Long Island, New York, Fire Island Inlet and the Shore Westerly to Jones Inlet, March, 1965.

U.S. Army Corps of Engineers Survey Report on Moriches and Shinnecock Inlets, Long Island, New York, 1957

Survey Report on Moriches and Shinnecock Inlets covers consideration for provision of navigation improvements at Moriches and Shinnecock Inlets and the effects of the improvements on conditions in the bays and on the adjacent ocean beaches.

U.S. Army Corps of Engineers Tidal Flood Plain Information, South Shore of Nassau County, Long Island, New York, prepared for Nassau County Planning Commission, June 1971.

Tidal Flood Plain Information, South Shore of Nassau County Report covers the flood problems due to tides along the south shore of Nassau County and suggest solutions to these flood problems including the best utilization of coastal land subject to flooding

WATER SUPPLY

Allegheny River Basin Board, Allegheny River Basin, Alternatives Report, March, 1971.

The report covers a study area which comprises the portion of the Allegheny River Basin in New York and the contiguous drainage area of the Lake Erie Basin. The report identifies water-related needs, evaluates available resources and correlates water supply and demand. The needs considered relate to municipal and industrial water supply, water quality management, irrigated agriculture, water-oriented recreation, fish and wildlife enhancement, flood plain management and thermal electric power development.

Arnow, Theodore "The Ground-Water Resources of Albany County, New York", U.S. Geological Survey Bulletin GW-20, Albany, N.Y. 1949.

This report is part of a survey to determine the quantity and quality of ground water available in New York State. Records for Albany County were obtained for 492 wells, borings and springs. Thirty-one water samples were collected for chemical analysis.

Arnow, Theodore "The Ground-Water Resources of Columbia County, New York, " U.S. Geological Survey Bulletin GW-25, Albany, N.Y. 1951.

Asselstine, E.S. and I.G. Grossman "The Ground-Water Resources of Westchester County, New York," U.S. Geological Survey Bulletin GW-35, 1955.

Ayer, G.R. and F.H. Pausek "Streams in Dutchess County, New York", U.S. Geological Survey Bulletin 63, 1968.

"Streams in Dutchess County" reviews water problems of the county in relation to rivers and streams, as a water resource, meeting the growing water requirements of the area. In addition to water quantity the report discusses water quality, use, and future prospects in relation to the county.

Barton, E.J. and Brown, Clyde and Loguidice Cayuga County Comprehensive Water Supply Study, CPWS-69, 1970.

The comprehensive water study is authorized under Article V of the Conservation Law. The purpose of this study is to develop a program of water supply facilities to meet the requirements of the area and tailored to meet its financial ability. The Cayuga Study is one part of a total program across the State. (Other Comprehensive Water Study reports listed below are similar in nature to the Cayuga Study.)

Barton, E.J. and Brown, Clyde and Loguidice Oswego County Water Supply Study, CPWS-23, 1967.

Berdan, Jean M. "The Ground-Water Resources of Greene County, New York," U.S. Geological Survey Bulletin GW-34, Albany, N.Y. 1954.

Brinnier, A.S. and C. Larios Comprehensive Water Supply Study for County of Ulster, CPWS-15, Kingston, N.Y., revised edition March, 1970.

Cushman, R.V. "The Ground Water Resources of Rensselaer County, New York," U.S. Geological Survey Bulletin GW-21, Albany, N.Y. 1950.

Diachishin, Alex H. and Associates Green County Comprehensive Intermunicipal Water Supply Study, CPWS-25, Ellenville, N.Y., June 1967.

Frimpter, Michael H. "Groundwater Basic Data, Orange and Ulster Counties, New York" U.S. Geological Survey Bulletin 65, 1970.

The report is a compilation of basic ground-water data useful in planning and studying the development of ground water in Orange and Ulster Counties. It supplements the USGS report "Ground Water Resources of Orange and Ulster Counties, New York."

Goodkind, D.R. and J.J. O'Dea Comprehensive Public Water Supply Study, Putnam County, New York CPWS-16, 1970.

Greeley, Samuel A. and Paul Hansen Engineers Comprehensive Public Water Supply Study, Erie County, CPWS-55, January 1970.

Greeley, Samuel A. and Paul Hansen Engineers, Comprehensive Public Water Supply Study, Nassau County, CPWS-60, 1971.

The study encompasses the major physical elements required for safe and adequate water supply for domestic and commercial needs. These elements include sources, treatment facilities, transmission, principal trunk mains, pumping stations and storage facilities. The plan is a guide for a fifty year period.

Greeley, Samuel A. and Paul Hansen, Engineers, Comprehensive Public Water Supply Study, Niagara County, CPWS-59, 1970.

Greeley, Samuel A. and Paul Hansen, Engineers, Comprehensive Public Water Supply Study, Wayne County, CPWS-48, 1970.

Hazen, Richard and A.W. Sawyer, Engineers, Comprehensive Public Water Supply Study for the Village of Port Chester, City of Rye and Town of Rye, CPWS-11, Dec., 1967.

Hazen, Richard and A.W. Sawyer, Engineers, Report on Water Resources and Development, Orange County, New York, October 1969.

Holzmacher, Henry G. and McLendon and Murrell Consulting Engineers, Comprehensive Public Water Supply Study, Suffolk County, New York, CPWS-24, 1970.

Irich, Wilbur J., Consulting Engineers, Comprehensive Public Water Supply Study, Northern Westchester County, New York, CPWS-10, Volume II, September 1968.

Ku, H.F.H. and John Vecchioli and L.A. Carrillo, "Hydrogeology Along the Proposed Barrier Recharge-Well Alignment in Southern Nassau County," U.S. Geological Survey, 1975. (Atlas)

Metcalf and Eddy, Engineers, Comprehensive Public Water Supply Study, Orange County, New York, CPWS-4, April 1967.

Nassau-Suffolk Regional Planning Board, Nassau-Suffolk Comprehensive Development Plan, 1970.

Presents the goals of the region, projections of the needs of the region through 1985 for homes, jobs, parks and open space, and transportation with priorities for each. Analyzes patterns of development for the region including corridors, clusters and centers. Presents proposed transportation and land use plans.

Nassau-Suffolk Regional Planning Board, Utilities: Inventory and Analysis, 1969.

Inventories the drainage areas, water supply, sanitary sewers, waste disposal, power lines and pipelines in the region. Reviews the five categories of utility services in terms of planning implications for the 1985 Comprehensive Plan for the Nassau-Suffolk Region.

New York State Department of Health, Inventory: Community Water Systems with Sources, New York State, 1974.

The inventory is divided into two parts. Part 1 is system statistics. Each water system is characterized by two statistics: water source and volume of water produced each day. Part 2 indicates treatment provided.

New York State Department of Health, Lake Ontario Surface Waters, Recommended Classifications, 1958.

This is a report on the survey and studies of the surface waters of a portion of the Lake Ontario Drainage Basin located in New York State. In the study consideration was given to physical and hydrologic features of the waters, usage of the lands bordering the waters, past and present usage of the waters and the extent and effects of waste discharges.

New York State Water Resources Commission, Erie-Niagara Basin Comprehensive Water Resources Plan, December, 1969.

The report presents a plan for water management in the Erie-Niagara Basin. It identifies available resources and needs and opportunities for development. The report formulates alternatives to meet the needs of municipal and industrial water supply, water quality management, water-oriented recreation, fish and wildlife management and flood plain management up to the year 2020.

O'Brien, E.F. and Gere Consulting Engineers, Comprehensive Public Water Supply Study, Jefferson County, New York, CPWS-38, 1968.

O'Brien, E.F. and Gere Consulting Engineers Comprehensive Public Water Supply Study, Monroe County, New York, CPWS-75, 1973.

O'Brien, E.F. and Gere Consulting Engineers, Comprehensive Public Water Supply Study, Chondaga County, New York, CPWS-21, 1968.

Perlmutter, Nathaniel M. "Geology and Ground-Water Resources of Rockland County, New York", U.S. Geological Survey Bulletin GW-42.

Perlmutter, Nathaniel M. "Sources of Ground-Water in Southeastern New York," U.S. Geological Survey Circular, 417. Washington D.C., 1960.

Pirnie, Malcolm, Engineers, "Comprehensive Public Water Supply Study, Albany County, New York," CPWS-43, White Plains, 1968.

Pirnie, Malcolm, Engineers, Comprehensive Public Water Supply Study, Columbia County, New York, CPWS-76, White Plains, 1972.

Quirk, Thomas P. and J. Lawler, and F. Matusky, Engineers, Comprehensive Public Water Supply Study of Rockland County, New York, CPWS-67, N.Y., December, 1970.

Simmons, W.T. and I.G. Grosman and R.C. Heath, "Ground Water Resources of Dutchess County, New York," U.S. Geological Survey Bulletin G.W.-43, 1961.

State University of New York College of Environmental Science and Forestry, St. Lawrence-Eastern Ontario Shoreline Study, Technical Reports, prepared for the St. Lawrence-Eastern Ontario Commission, 1972.

These reports comprise a study of the natural resources in a one-mile shoreline strip extending the entire reach of the St. Lawrence and Eastern Lake Ontario contained in St. Lawrence and Jefferson Counties. The study provides natural resource data and consists of seven technical reports and maps on recreation resources, water resources, development suitability, geology and soils, natural vegetation, fisheries resources, and physiography. The report provides a productivity rating for fisheries and wildlife habitat and natural vegetation.

Stearns and Wheler, Engineers, and Akins-Tisdell Assoc., Comprehensive Public Water Supply Study, St. Lawrence County, New York, CPWS-3, Cazenovia, 1968.

Teetor-Dobbins, Comprehensive Public Water Supply Study, Orleans County, New York, CPWS-40, 1970.

Temporary State Commission on the Water Supply Needs of Southeastern New York,
Scope of Public Water Supply Needs, Albany, November, 1972.

This report quantifies the public water needs for Southeastern New York to the years 2000 and 2020. There are five parts to the report: population analysis, water systems inventory, water supply needs, safe yield of existing systems and projected water supply deficits.

Tippetts-Abbett-McCarthy-Stratton, (New York); Camp, Dresser and McKee (Boston); Leggette, Brashears and Graham (N.Y.), Reconnaissance of Water Resources Potentials for Hudson, Mohawk and Long Island Areas Report, New York State Water Resources Commission, August, 1966.

The report evaluates the quantity and quality of the groundwater and surface water resources within the Hudson, Mohawk and Long Island Study areas to assess use and project water needs to 2020 A.D. The document provides alternative solutions to meet projected needs.

U.S. Army Corps of Engineers, Great Lakes Region Inventory Report, National Shoreline Study, August, 1971.

The information in this report is limited to the U.S. mainline shores of the Great Lakes. Connecting rivers are not included. The report investigates the order of magnitude of the regional shore erosion problems and the need for protection of the shoreline zone of the U.S. portion of the Great Lakes.